

# FIGURE 1

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1   aagcttcctt tgtagaggag aatgagtact tactgcttac aagacaagca gcatgttttt
61  caaaagtcaa aagaaagctt gtgaggaaca aggtaatact ctctagatag ctggccttgt
121 cttatgcaca ttcattaatt cattttgtgc acagaaataa catgtccatg aacctggggg
181 aaccactctt ttgagagacc ttgatcttgg agttcctctg actcaatatt aggagcaaga
241 tagagtaaga cacctatttt tttatgtttg ccattacata agaatgaatg aaacaaaggc
301 atagttctgc attggttaat aaaacaaaaa gcccgctaaa aggcaatggt atatattcgg
361 caatcacatt ttgaagacca actatatcca agactcatgg caggttctgc atgccactga
421 tgcactctga tgacctttcc aaggctatct gtcacagcag ccccgaaatc gtggcctcta
481 agggcctaag tgttctggag taaataggcc aggccagcac ctctgagaaa taggggctca
541 ccccatcctg agccaccttc ccagtctctg agcaacctca gcatcagtgg cctctgacc
601 gcatcagcct gtgggtccct acttgtctga acacatacaa ttttctttct tttaatggc
661 aagctttgaa aaacaagtac atgagtgaac acagagcaaa gagtttagtc tgggagctat
721 ttctcgtaag tctcttttga gaaagagttt ctagcccttc cccactttca tgagattaga
781 gagataagaa caggaacatg gagggagggg tccacactct ggaaaacact tttggatctg
841 ataaccaccc taatgaagcc ccaaagctat cgcctttgga tgggtttctc aaacatggaa
901 ttctaccagg atttctgtca acaggcctcc taatccctc tgccttgcca agccacatgc
961 tacacaaagg tgaagaacaa gaaaggcatt gagacacgtg ttctatccag ccaggggatg
1021 cacaatgtct gccacgcag gctgcgttat tatcagcagg aactgacaga ggggtctggt
1081 ctccctctc caggcagtg aggggacgct tccacctct gacctgtggc tgagcccagc
1141 ccgagcagaa atcccagaag aggtcccgcc cttgctcgca tctgcttcc tgtgctaaga
1201 cctggctcga atgaaagata gtaaaagttc tttcacattg ggaaggcctt taaaaagctt
1261 gcctttacta ttttataatc tctacatttt attgtccttt taaaatcaca aaagcaagca
1321 gaaacatgag gaggtctgct tatttgcctc cccattcaac aactgggctg ctgagttacc
1381 agttccccc actacttgat ttggaaatgg acactagaaa ttttccac ttgtgactga
1441 agctgcagaa acttcaacct gttttcagtt accctgttgt acctaatag agtccatcct
1501 cttttcagtg gaaagaaagc catggacgag gcattgcagg tctagtgtgg ctctcagact
1561 ctctgggagc agctgacgca catttaagaa cagggaagtc ctgaagggtg gctgaggaca
1621 gatcacgaga ccagaggtga gaggcgccc acagggttg agccctactt ttgggtgtga
1681 gcagtggggt ctgatgcacc acggtgaagg cattcagcag ccaggtcctg agtagcagaa
1741 acacaggata cacagagggc aatgtcttag agccacacca actgggtagg actgaacaga
1801 tggtcattca acagatgata cacttttag gtgtatcagc aatccattgg aaaacttgtt
1861 aaaaggcaga ttctagctca gccctagatt ctgatccagc aggcaggaat ctgcatgttt
1921 ccagtttttc cagctgattc taatgtagat ggactctgga ttgccatttg agagacactg
1981 atgtagaaca agatcggtta gactggagac attggccaag gtaatttcta gagaaaatgt
2041 gcttgctcaa agtctgagg acaaatttaa gatcagagtc tagagaaatg aacatgaaca
2101 tactcacagc ttaaaggcta ggttgggagg ccaaaggaa gcacatgttc aaggcacaag
2161 cgagtcatta cagtgaacaa gcctcagaga agcttctgga agcccatgat ctggcagatg
2221 gcacacacaa tagtatggca gatggtacat accaggtaaa ccctaaatgc ataaggttcg
2281 tattacacgt aggaaaacaa ggcataagcc taagcaaggg gcctggcccc tccaaatcta
2341 caggtaatgg gcagagtcct ttagaagcat ggggtgcatta gggaatttta ccttgcccta
2401 acagaaacta tggtaagcgt aggtgctgca aggaagccat acttcaattg ctctacatct
2461 attattccag caaagatgat gctaggttct atgagaaatt ctaaagacga cacagctctg
2521 ttgtcaaaga gcttacgata taatcataaa gcactttaga aaacttggct atttaagtaa
2581 gcccacaaac tggataatat tgaagcagtt gactgcaatc tagagtacaa agtgggtcct
2641 gtgcagccag gaaaaagctc acagagttag cagagggtcg agactaagtg atttaaagcc
2701 ctcataattc tttctgcatg gcccctttt ccagcaggcc tgaccatgtt ctatgcaatt
2761 cacaccatct gaaaatacat cgcagccccc ctgttccctc cacagcatta gttctcacct
2821 tgaagcttct gggactcaca ttcagcttct tgccctgttc ctagtctcat cttctgatac
2881 tccaccttcc ctgttaaggt tttgccatgc ccttgaacat gacattagat acaactccag
2941 ttttgactct tactaccctc tctctcccca ttcacggcac aatgatgatt tgcaaactcc
3001 ctccagccac cttggatata taatcacggt cctgatcca accttgcccc tgacctttgc
3061 atccttgtac cttggtatgg caccttgtac ctccatgggc agcagctcca tgggaatttt
3121 ccagtcaccag agaattcatg cattcatgaa gggaaagaac aaatgggatg agtatgaagg
3181 cagaaaggag agttggaaga taaggagcaa tagtcagaca ggagaacctc cattttgaga

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# FIGURE 1 (continued)

3241 tcaacgataa tgtcttccct ctcaatcagg atactttctta atctcaagta ctctattggg  
 3301 aaggaagaga tcagctgttt ctgggctcaa ataaaggtaa tctttggctg gaagcactag  
 3361 gcaagcacag tcttctacat cttgatggag cctcatagga aggtggaggc taaagcaca  
 3421 atgacatgta aaggaaagtc tggtgagatt gagcattagt ggaagaactt tgggtggcctg  
 3481 gcctgatttt cacctgagcc aggttgctgg aggcgtgttc ttgctgagtt tcatctgtgg  
 3541 ccccaaagcc tttggggatt cagaaccaat gggtaactctg cagtctggcc tccacatgac  
 3601 ccccaactgg ctttgtgatg aaaggaatca tgttccatgt aagaacccat cttctgaaca  
 3661 cccactgca ctctactgg tagaagacaa atctgatgct ctaggaggtt atatagttta  
 3721 tttcttctca tttcaacctt tctatttctc agacacatat gcacaggtgc acacacacac  
 3781 aagtgcacac acacacgtgc ttgtgcacac acatacacac acagaggact ttgaactgcc  
 3841 taagggaag aataattccg tattcatggt ctacaatgcc tggagaaagc ttttcacaca  
 3901 gtaggccttc aaaaaattcc actaatgagc aggtatcata atagtaaagt aaatgatgct  
 3961 gctacaaatc tgagccatgg gaggatccat gaagaatgcc aggtacgaat atcttcaggg  
 4021 tccgtctcat agggatgcag tcccatagat gtctataagc cccttaactc acagcctcaa  
 4081 attaatcaag caaagagact aagagaaact tgtcaagtct tgtatctcct taattttacc  
 4141 ttatgctaag tttccatgac agggagcagc tatgactggc cagcagtcac cagccatagt  
 4201 ccagcccttg gaggttgga gatctatagc ctgattgaa gagtgtggaa atggctagga  
 4261 aagtaaggat aggtagaat tatctattgt atctactcta taaaattata gaaaagccac  
 4321 tcttcacttt cccaagaacc cctcatgtat aaagatttgc agaaagtgtc tgtctgggg  
 4381 cctgttgct tcccttactt gtccctgagtc agccacagct gtttccctcc ttataatcat  
 4441 ctcatgtca ttggatggca gcagagactt tatgagaaag ctcatgtggc tacggccctg  
 4501 cctcctttgc acgaggataa gaggtttcaa gaagacctt ttcacaaggc cttgtccagg  
 4561 atttgggcca gtccacagc attccaggtc cttgaagtct ggctgaaaac cttgtgggaa  
 4621 gagaaaacct tctaagcaag agaaagccaa catatattaa aatgttcttg tcttcccgga  
 4681 taggttgtgt tttgtgaata gggcaatatg tcatttctcc caggaaaaga aaacacaaaa  
 4741 ctgattcaaa atgtactgag gtaaaaagag ttgcagaaga aaattaatct tcagattccc  
 4801 taactttttg tgtcccataa ataactctgt gccttgctcc agagagaaat gtgtctgcca  
 4861 ttttgcaaa ccaggatatc gagagagaga atagagtgtc cctgtcttga ggaaagacca  
 4921 caaggcaaac ataaatgaaa agaacaaaga ctctgtattg ttgagctgaa tggccacca  
 4981 aatatcccaa agaatgaact ttaactttct caacagaaag gcaaccacag gaagtttggc  
 5041 agctcatgga gaaagttcct tcatgaatat gtggccttta cagtgtctcg tctttacaca  
 5101 gaattaactc cgggcctgaa agatgtgtgc ctttctctgt tttgttttaa tggcagactc  
 5161 agaacacagg gtacagtttt gcttctgtct ttaaagtgt ccttgctttg cctccaagg  
 5221 cctgtagcca gtccagcatt tttggcaaga cagaacact ctccagtcac aagaatgccc  
 5281 aggaaccaac agacatagat ggttcctaag cttatttctc gtgttcagat tcaagagtgg  
 5341 aatccagtt tggcctggct acagaggctg gaaggtagaa aaggtgaaaa attctctaaa  
 5401 atgtttccag gttttctatt tactggataa gcaacaaacc aatagctgtt tggagtagct  
 5461 agctggctgg cagcaatttt ccaagaattt ccaaatagca gtacgtggcc taagaaaggg  
 5521 aggtaccagg aaaggagtaa gaaggagca aagtaaaaaa tgatttattg gtgccccttg  
 5581 caatataaag ttgaagtgga cagcgcagcc aaaagtatct tgctactgca gtagggaaat  
 5641 tagccaaggg tgggtgtcaat tagagataca aggggtggta atttactgg agaagccaac  
 5701 tctaggtatg ggtgctgagc aattgcccc gcaacctgcc aaggtatgtt ctatttgttt  
 5761 tcaccaggac tgtggatagg ggtgtgtgtg cgagagagag agagagagaa aaaaaaagt  
 5821 aggtcatcct atcaaaagag aaggtgaaag ggttgaggaa ggctctctt ctctctgatt  
 5881 tattgtagag caggaagagt cactgtctgc aatacacaaa ataatacatc agggaaacag  
 5941 gaagtcaaac tttcaagaat gcaaggggaa atcaaaacca gagataggac aaggatgaat  
 6001 gaaaacacct ggcatagaag tgaaacgaga aaaaaggaaa cttttgcttt cttggaaata  
 6061 cacaatcggc ctgagcctca ttctttggaa gtttaagtcca gtcttctga aaaagatgtg  
 6121 tggaccactg aagaggaacc atgatgataa ttcacccctc gcaggctgtg ggagaggagg  
 6181 tttggaagac aggtaggaag ttggtctctc gaataatgta gacaatgagg aggtacatcg  
 6241 tcttttgaga ggtgataagg aggcggccat catttagcaa aattctatgc ctccaatga  
 6301 tagatgtgct taggtatttc tataccaatg gttgtaatga aaagagtata aacttgagtc  
 6361 aaacagaaac aacttttctt tgtgtataca acaggaataa tgctgattac cccaatcttg  
 6421 gctacagagt tagaatgaaa tggcacctgg aacataatag atgttctttg gatttaattt

# FIGURE 1 (continued)

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6481 attgtctttt cctcttcatg ccgagataaa agagtaccag tagaagaagt ttgagacaca
6541 ttctcttagag acagaaaaatg taaatggcat aagatgatca gtggctttac ccattgattc
6601 ttccaacgaa aggtcgggtg taatggacaa gaaaggaagg gatgagaaac aaaagacagt
6661 ggacaaacgg aattcaaaac cagttgtgta tttctagtcc tggatttcag aactaaatg
6721 tagagcctct agttaagagt ggaacatctc tcacaatgcc tggagaccaa atgaactaat
6781 tcagaagctt taactaatgt gaaagaaatg ccagataaaa aaatgaagag aagctattaa
6841 gaataagaga tgtggcaaga aatataaagt tggaaagggtg atcagtgaac cacatgaaga
6901 aataactaaa aatcaggcaa aaacaacact aatgaactca gatctctatg ttccaatgct
6961 agagcatgga caacaaaaaa caagattcca acattgaatg gaaaatctga tctcaaaagc
7021 ttcaccagtg gccagggtgtg gtggctcaca cctgtaatcc caacacttta ggaggccggg
7081 actggcagat ctggcctgag gtcagaagtt caagaccagc ctggccaaca tgcgtgaaacc
7141 ccactcttat taaaaatata aaaattagcc aggcattgat gtacacacct gtagtcccag
7201 ctactcagga ggctgaggca caagaattac ttgaacctga gtggtggagg ctgtagtgag
7261 ctgagatcat gccactgtac tccagcctgg ccaacagagt aagactctgt ctcaaaaaaa
7321 aaaaattacc agaacttctt ggaatggagc tcaacattga aatattgcaa acatgctgag
7381 aagggaagac aaagtagtta taggcctaaa taatgctctg tgttgctgat ggcattactc
7441 acacactgta ggcagagata taaaatggta catatttcac agagggtaat tgaaaatatg
7501 tagtgagtgt tctgatgtgc catcagactc ttccttcaga accaagggtg ccattctcct
7561 agttgcaaga ggatagcctg ctgcattggt ttctgatagc tgctctcaca aatattacca
7621 caaatttcat ggcttatgtt ttaggcataa gctaaaactg tcttaaaaaa atgtattaac
7681 ttatagttct aggcacaga agtctgaaat gggctctgtg tggctaaaaa caagacgctg
7741 gtatagctgc attcctttct ggagggtctt gggaagaatc tttttgtttt gtttctgttg
7801 gttttctggg tttgtttttt ttttttactt ttttttctt ttgtcttttc cagcctttag
7861 aggtgcctg ccttctctcg ctcatggccc cattccatct tcaaagttga atctttctta
7921 cattacgtca ttgacaccct ctcccttctg ccttctctt tataaggatc cttgtaatta
7981 tactggacct acctggataa tccagtataa tatctacatc ttcatttcac ctgcaacctt
8041 cattcttctt tgccatgtaa tctaacatat tcatagattt caggaattag gatatagaca
8101 tctttggggg ctgttattct acccgccatg tctgacagct gctcacagct gagtctctcc
8161 ccaggagtta tctttggttg aaagcagctg cctcacacaa gggtatgctc cacaggaaaa
8221 actggcatcc aatgactggc tgatttgaag gcccaaaggc ccagccccc tcaatgcctc
8281 agtatggaac aatcctcact agccatccca gctccagggt gcccttgaat caactgaagc
8341 cactgctgca atgtattcca aaattcagct ttttctggg actagtcttg taattttagg
8401 tccctccaag ttgttgttct caagagctct ctccaatctc ttctgctaa caaatctctg
8461 tctcaaagtg tttcatggga aaaccaacct aaggcagtg atgtcaggaa tggtcagagg
8521 aagctgactc taaaatagaa cttaggagat gggcacctcc tagccatta acaataggga
8581 ccccatcact agtgaaaact gaagtttgta tggccctcac atgttatact ggagtgttaa
8641 aatattcctt ggtggctcag gggatgggat ataagtggaa ggaaatgcac caaaggatgc
8701 aatatctttg acatttgagc cattctgggg aaactgggat tgctgatgct gaatattatc
8761 tatgtgctgg gaaaaaagaa gggaaatctg ggaaagggga gctgatcaat tgtctattga
8821 aatcaaattg tgatagccag aggacttctt tggcagcact aaaaagtgac tctcatcttg
8881 tgtagtttga aagcagaaaa atctgagaat caggccaacg acttaattat aagtatagta
8941 caactcaaaa aaggtagaat tcttaatccc agcaaactct gaaactccag atccctcag
9001 aaccatttgc tctgtagaa gtgatgcact cctcttcaag taaagacccc ttagttgaag
9061 acaacacagg gttctctgcc tgtaaaacag tatgtcttct cttgggattt ggctcacatc
9121 taccctcctg gccactagag agtcgagttg caatagaagc tggccaggaa agtgctgagt
9181 cagctaggaa aataaagagc ccaaacccca aagggttgt aggtcccagc caaatgtgc
9241 cagcagaggt cagtaaaactg taaatgggac taaagcctga gaagcctgga tcaaggggag
9301 tataatacaa atttgaataa gggagagatt gttgctgtga agctactctc ttacaatata
9361 gggttcaact ctggtaggca cccagcgaga tgggtggttaa tgttctgcta gcatagctct
9421 tggaaactac catattctac cataatatat tataaaagaa gaaacaaaaa gactcaaaagg
9481 ggtgggcata aaatgtagag ataaaatggg agctggaaaa cctaccagca gatgatgttc
9541 taagacatat cagaaaagaca ttgtgctcac cagagcgatg agagaggtaa tggtagcaca
9601 gcagcaacag cgtcaagaaa ctcagtgttg cctgtcctct gtaggccaag ctgattataa
9661 aaattgaaaa gtgggccagg catggtggct cgtgcctgta atcccagcac tttgggagcc

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# FIGURE 1 (continued)

9721 tgaggcaggc ggatcacgag gtcaggagat caagaccatc ctggctaaca cggtgaaaact  
 9781 ccgtcttttac tgaaagtaca aaaaaattag ctgggcgtgg tgacgggcgc ctgtagtccc  
 9841 agctactcag gaggtcagg caggagaatg gcgtgaaccc aggaggcggg gcttgacgtg  
 9901 agccaaagatc gcgccactgc actccagcct ggggaacagt gcaagactcc gtctcaaaaa  
 9961 aaaaaaaaaa ataagaaaaa aattaaaaag tgataatcct ttaccagttt tccaggacta  
 10021 aaccagtttt cagatcttcc agtgtttgac tgaaggagag accaggtacc cagaaggaac  
 10081 agctctgcag tgccacagca agtgtgtgtaag gtaatgactg cctcagtttt tgcctaaagg  
 10141 acctatagcc gtttactcaa gtaactctaa actgaggaaa ggggaatatc ctgacacttt  
 10201 gaggttgatg gatgcagggt caaaaaatac atggatacct agggaaactga agcatcatca  
 10261 tgcttccctt gtttagaggac ataaagaggg cagataatag agctgggcaa gttggacca  
 10321 tgaatcttac agtgggtttt ttcaaaagat aaacaaaatt gacaaaactt taattagatt  
 10381 aaccaaggaa aaaagaaagg actcaaaaaa aattacaaat gaaaggagggt attaaaactg  
 10441 ataaccacaga tgtacaaagg atcacaagag actatgatga acaattacac accagcaaat  
 10501 tggataatct agaagaaatg aagcatacat tcctagaagc atacaacctg caaagactga  
 10561 ctcatgaaga aatagaaaat ctaaacagac caataagaac taaggagatt gaatcagtaa  
 10621 tcgaaaacct cccaacaaag aaaatcctag aaccagatgg cattattggg gaactcaatc  
 10681 aagcatttaa atgattaaca acaatccttc tcaaattctt ccaaaaaaat gaagagaagg  
 10741 aaacacttcc aaattcattt tatgagggtca gcatcacact gataccaaa ggcagttaagg  
 10801 atgctacagc aagataaaat tacaggttga tatctctaag gaatgtagac acaaaaaattc  
 10861 tcaacactag caaaccaaat tcaatagcac actaaaagga ttttatgcc a taatcaagt  
 10921 ggataatccc aggaatgcaa ggatgggtga acatatgcaa atcaataagt gggataaact  
 10981 acattaacag aatgaagatt tatgatcatc tcaatagatg tttaaacaag agcattcaac  
 11041 aaaaactcaac attgttttat aataaaaaact ctcaacaag ttgggtacag aagaaatata  
 11101 cctcaacata ataaagctat atattgtcaag cccacagtta acattatact caaatgatga  
 11161 ataatcagga acaagataag ggcaccact cccaccacta ccaatattat tgaacttat  
 11221 agccagagaa attaggcaag aaaaagaaat aaaagtcac taaattggaa aggaagaaat  
 11281 aaaattgtct cttttagtag gatgcgatct tacacattta gccagaaaaa cattagaact  
 11341 aataagcaaa ttcagtagag ttgcagaaaa caaaatcagc acacaaaaat cagtgtgttt  
 11401 ctatataata acaacaaagt atcagaaaaa gaaattttta aatatgttat ttacaataga  
 11461 atcaaaaaata aagtatctag gaataaattt aatcaaggag agataaaaga tctgtacact  
 11521 gtacataaac ataaaaagat ctgtacactg tacataagga attgatgaaa caaactgaag  
 11581 aagacataaa taggaaggta acccggtgtc atggattttt aaaaattaat agtattaaaa  
 11641 tgtctatact acccaaaata atctattgat tcaatgccat tcctatccaa attcttcaag  
 11701 catccttcaa agaaatagga aaacagtc taaaatttgt atggaaccac agatgacccc  
 11761 aaaaaagcca aagcactctt gagaaagaac aaagctggag gtattacatg tcttgatttc  
 11821 taatcatatt acaaagctaa agtaatcaaa acagttaaaa cagacacata gatcaatgaa  
 11881 acagaataga ggcgccagaa ataaacctac acatataggg taaactaata tttgacaagg  
 11941 gtaccaggaa tgcatattgg ggaaagaata atcattttca tacacagtgt tgaaaaactg  
 12001 gatatccaca tgcaaaaagaa cctctgtctc atagcataaa aaaaaaaact  
 12061 caaaatcaaa acacaaatat aagatctgaa accataaaac tcctacaaga aaacgtagaa  
 12121 aaaacttcct tgacattggc ttcataatta cttttttgat atgacaccaa aacacaggaa  
 12181 acaaaaagcaa aaataaataa ataggactac atcaagctaa aaagcttatg catgacaaaa  
 12241 gaatcagcaa aatgaaaagg cacctataga atgggagaaa atattggcaa accatgtatc  
 12301 tgtaagggg ttcatttcca aaatatataa ggaactcata caactcagta gcaaaataata  
 12361 ataataattt aactaaaatt aaattaaatt tcaattttat aaattaatac tcaaatattt  
 12421 ttttaattgt taaattaaca gcataattaa aatggtaaaa agacctgaat agacactttt  
 12481 ctaaaattcat aaaaatgtcc aacagggttc tggacagggt ttcaacatcg ctaaccatca  
 12541 ggcaaatgca aatcaaaaact aaaataagac atcaccatat acctgttcgt atggctatta  
 12601 ccaataagac aagaggtaag tgttggtgag gatatagaga aaagagaaaa cttgtgtacc  
 12661 cttggtagaa tgtaaatggg cacagccgtt atggaaaaca gtatgggtgt gcttcaaaaa  
 12721 attaaaaaaa gaactacat atgaccacac aatcccactt ctgtgtctat atatccaaag  
 12781 gaataaatat caatctctca aagagatata ttcactcttg tgttactgc agcattattc  
 12841 ataatagccca agacatggga acaacttaac tgctgtcaa caaatgaata aagaaaatgt  
 12901 ggtatacatg tagttaaata ttattcagcc ataaaattgg agaactctt gctatttgcg



# FIGURE 1 (continued)

12961	acaacatgga	tgaaccggga	gggcattatg	ctaactgaaa	taagccagaa	aatgaggac
13021	aaatactgta	ttatctcaca	tatggaatct	aaaaaagtca	cactcaccaa	aacagaaagt
13081	tgaatcatgg	tttccagggg	ctggagggtta	ggggaaataa	gagtatgttg	gtcaaaggat
13141	acaaactttc	taatataaga	tgaataagct	ctgaggatct	aatgtacagc	atggtggcta
13201	tattttaatga	tactgtattg	tgtatttgta	atttgctgag	aatagatcct	gtgttctcac
13261	cacaaaaaca	aaaatggtaa	ctatctgagg	ttagggatat	gttaaccaac	ataattgtga
13321	taatcattcc	ttcacaaat	atacttatat	caaataatca	tgttgatat	tttaagtgtga
13381	tacaatttta	tttgtcaatt	atacatcaac	acaagtggga	gggaaaaaac	gagaaaaattg
13441	catgagctaa	tgaccaagt	cctcatgtca	ttcaccactg	ttgcaccagc	tatggctata
13501	tgggcaccac	ttatgttcag	ctgatagagg	aagggaagag	ccaagctttg	ttcaaaacag
13561	ttgggccagt	ttgatgtagg	aatacaaac	agaaaaggtc	tttagtattc	tcagtccac
13621	tcatgaataa	ccctaaaaga	cagcagttag	gggacatcct	ccaatggac	ttcaagtgat
13681	gcactggcc	actcactttg	tgtggaaagt	ggctcaaggt	caaataatc	taaactcatg
13741	ggcatttgta	aatgggttg	ctgggtgctt	agtggcctgg	aaggagaaag	agtgaagat
13801	aaggaataag	gaggtctggg	gaagaggaat	acggaagtgg	acatgaagtg	caaagagctt
13861	catgaagatc	tttgtatacc	atggttaacgc	ctaccatgga	agaggcaatt	tctagtcaaa
13921	tggacagact	gatttggtcca	ggtgatgtca	gacagccctt	tctcattaat	caccccagtg
13981	ctggcaagca	ggcatatgaa	cagagtaatc	atggtggcag	gcacggaggc	tgtgcaaggc
14041	agcttacaaa	ataggtgatc	tagtttctgc	tgctgctgaa	tatctatcag	gaacagagat
14101	tactgccag	cccctgacaa	agaacaattc	ttcagagagt	ccaatcgccc	atgtggtggc
14161	acagcaatta	cattaaacct	ctttctccat	ggaagggcca	gcaattcctc	ttgaaggaaa
14221	tcaacacata	cttaggatac	aggtttgcca	ttcctgcccc	tagatcctca	gccggcacca
14281	ttatctaagg	acttacttca	tgtacgatcc	actaacacag	gagcccacag	aacatcctgt
14341	tgtaccacga	aactcacttt	agaagaaaag	aggtacaacg	atgagcacag	gaccagctgc
14401	tgactttata	aggtaaagga	acaccctttt	gaaagtattg	ctgaagtacc	acattcaata
14461	taataactta	ggctggagtc	cttaagcatc	ccgcctcctc	caggatgcag	tgtccaccct
14521	taataataag	tgactattat	acagtactgt	gtctcctcta	tatagattac	atggttcagg
14581	gtggaaatag	ggctaattcc	tctaccatc	tactcaata	acctaccag	ggaattcctc
14641	ccttccatct	ccacgactct	gagctctgca	gctctagaga	gtctgggttc	aagaacagaa
14701	acacttatac	caggaacact	acacgaatcc	cattaaactt	taagctacag	ctgttggcac
14761	tttatgtttc	ttgtgccaa	aggtcaacag	gccccaaaaa	gcatcaccat	tttggcagtg
14821	gtaattgatc	aggagaaggt	tgagctattg	ttacacatgg	tgacagaaaa	gactatttgg
14881	ctcccagaag	gacttcttgg	gcatctcttg	gtaataacct	agccaatcgt	aatggtaaat
14941	ggataaaagt	agtagtcatg	gcttgagaag	ggcatgatga	ctacaggctc	agatccttca
15001	tggatgaagg	tttgggtcac	ccaaccaggt	aagccacctg	gagcagagct	ttcagccaag
15061	gggaagagaa	ctctacactg	ggttgtaaa	aagggatttg	atgagtgtca	gttgtgtccc
15121	tgagaacagc	tgcatgtgtg	agagctaacg	tttgtcccat	taatcttctc	cttgtacatt
15181	tccttaggaa	aagaagcaaa	ccagagtctc	agaggagctc	ttcccagata	gggtgatttt
15241	tttaataaag	aaatatgtgg	tccaagaggt	gaaaggggta	actgaaacaa	tcactttgat
15301	gcaccacaag	cttccccgct	tcagttctga	gggcttatcc	ccccagtgge	cagatatgtt
15361	atctgetgac	agctagctgt	tgagtctttc	ttttggaatt	gctcttggtc	aaagggagat
15421	gcctcaccca	aggtcatgac	ctctccctgg	agacaacctg	catccaatga	gaagtcaatg
15481	caagagcaca	aaagctcggc	ccccttgctc	cagcttggga	caactcacag	gagagctcca
15541	aactccagcg	ctcctcagga	tcagctgagg	ccattgttgc	aatacatcat	agttcatctt
15601	cttcccttgc	ccagtccttt	tcctcaccct	ctcaagggcg	ttgagggcac	tcctttaaaa
15661	aattcccaca	cagagactct	ctgtctctga	gtctatttca	ttggaacatg	atccaaaaca
15721	taatataat	caaaatcctt	gaaaacattc	atccatttta	accagtgact	ctcacatcta
15781	agatagtcta	aggtaatgag	agattaaatc	atagttttga	gtttgctgtt	gtaacattat
15841	aattttttta	aaactataaa	gaatctaaat	gttcaaaaag	aaagaaatag	ctaacataat
15901	ggatagaagt	tctttacagc	cattacagtt	catatttttg	agaaatatag	tgacatagga
15961	aatgtttcac	aatataattt	taagtgaata	cagcaggata	tagaactata	aaattataaa
16021	tggtttgcaa	acatattact	taaagaacta	tcacctttta	gagaaatgca	atgaccccag
16081	tggtaaatat	atttaaaaaa	atctaaggag	atagtcaaat	tttgtttaat	tgagtaaaat
16141	ttgatctcat	agccagacct	attttttaggt	aaaataaaga	tagtaaatcc	tctagcactg

# FIGURE 1 (continued)

16201	gatattttgaa	gaacagcaca	aatgacactt	ggcttgctgt	agagtagaat	taagcatgaa
16261	tttaaaatgt	ttaaggtacc	attttgcctt	cgggaattcc	attctgcagt	gagtgtctta
16321	gagatgtgtg	gttttggtcg	gcttgcctct	gctttccctt	ggctggcctg	gctttggttg
16381	atttgtctta	gttaacaact	taactcttga	agacatctga	cttctttggc	taactttgac
16441	aattaggcaa	gaagaaattt	gtttgatcat	ctccacctca	aaaccctact	accttttagac
16501	ctttatcaca	agcatagagg	aaaagaattc	aaagaaaaga	aactcatgtg	agatgttact
16561	accaagtatc	tctaggcaat	aggaaggagt	aaccagacc	caccattaag	ggaaggggag
16621	tgcttttaga	aaataagatt	gtatattgag	acaaactaat	tgtgatgttg	ttatgtcaca
16681	tgtttaaata	atcccagggtg	cacattctct	cactttctac	agaacacaac	cacaccaaac
16741	cagggtcaaag	aatctgactc	ctttccacca	ccaagcctct	taacattttc	tagacctgaa
16801	tacaaaccaaa	acactctcat	tttcccaatt	tcttactccc	actcaagata	tttcaaacac
16861	gtgaaattga	ttatattgaag	gtttaaggga	gtgaaattta	agattaaaga	cattccttcc
16921	ccaaccactg	ctccgcactc	acatggcaac	ttggcctatg	ctatagacag	gggagatgac
16981	atttgaagctc	catgcagaga	tgagccctgt	ctttgagttc	tttgtggcct	ttccttcagt
17041	gaagagtgtc	agtcctctgtc	tgctccctgcc	ctgccccttc	taaccacaga	tgctctagcc
17101	tggccatgga	tgtggagttc	ctcagagcaa	atagagtcca	tgattttgtg	ttctcagggg
17161	tcacaaaggt	gtgctgatag	ctttatcttc	ccttttctac	tcatttttct	ctaataatgtg
17221	atataaatgc	agggctatcc	cagaaggagt	tgactagaga	actaaaaaac	aaacaaaaca
17281	aacaaaggga	ccccaaaatg	acttcattgt	taaaagaaaa	acataacagt	gaaaaaataa
17341	aggcattata	atgaactctt	ctccatactc	tctagagccc	tggggaaatc	ttcttgatgt
17401	agaatcactg	aatgaagaaa	agcccatgtg	aaaccagaac	acttgggttt	atccaacaga
17461	tattttttaa	gcacttgcta	tgtatcaggc	actgtgctag	atactgaaga	tacatagacc
17521	tggacactgc	cctcatggaa	attatactct	agcaactcag	atztatcagt	cccacaacac
17581	tgggtagacc	gcacaacaat	atcaggcaca	gtagtgcctg	gagcttatcc	atcccgtaac
17641	tgttcccagg	agtgtctaaga	aagggaaata	gcagccagaa	acatccctatg	aaaagattac
17701	ctggaacgac	tcaagaaaat	ctgcccagggt	gcactctgtt	acctctcctc	ctctgccaag
17761	caggagaaca	atattgaatt	ggagaacaca	tatgttaata	actccaaaga	gaggctagta
17821	tctcagcttg	agcaccagct	ccctggatgc	tactatagtt	ctgggcaaaa	ctgcaaagca
17881	gccaaagttg	gtcttgcaac	catcccaact	ttagccctatt	atcaatctcc	cagacatcac
17941	atgcacatag	cctaccctaa	atctgcccc	aatccttcaa	tcagccctaga	catgcctcta
18001	gactagtgtc	tggtttaaaa	tgtaaatgag	gtttaacctt	accagggatg	cctcaacatc
18061	ccctggcaga	ccttccaccc	agacaggaag	aggtggcata	atggagcaag	catgggtttg
18121	gggccagaaa	gacctgggtt	tctaccccag	tttcacaact	tactattttg	tgaccacaag
18181	caagttactt	aacctcgatt	aagcctcaat	gttcttggcc	acaaaatgca	gataataatg
18241	tctgccccaa	tatatctcgg	gaagattaaa	tacaaacaag	ttcttctatt	cttatcctat
18301	ccttccctcat	ctcataaggg	gaaccaataa	agctcagcaa	aaacacaaaa	aagacattga
18361	ttttatttat	ttataggcat	tggcagaaac	cccatcatga	acagggaaac	ccttttgaat
18421	tctgctgcaa	ttgattgcct	tggctgggag	atgtgaggtt	cctggagcaa	tgtgaagaaa
18481	tccaggggat	cgcttgggca	ggacccaggc	ctctaggcaa	aatgtgtgga	acaagccatc
18541	ggttttataa	tcttcttaag	aaagatcatg	aaaagcaaag	tgcatcttta	attattttcaa
18601	agagctcttg	attctatata	atctgtcctg	gaaataatga	agagaagaaa	gacaaaactt
18661	ggctttattt	acagaggtga	cgttacaggg	attcaccatc	tattattacc	tggcaatacc
18721	ttagggcttg	cctccaccac	tgctttttat	gaagagtaaa	gtacacgtga	agtctgttgt
18781	tcaaggccct	gacccacatc	caacctggac	tcccaccact	ctctctcagg	cattctgggc
18841	taagctgtaa	ctcagccgtg	tcttccctac	actagcgaca	gtcttctgct	tcactctgcc
18901	cttctctcca	cctaccaagc	cctcctttca	tgtcttccca	tcaaccttct	ccatatagcc
18961	aagccctgct	tcaaatggac	cctctccatc	agggagaggt	aacagaagct	agaaccagg
19021	ctcagggtcc	atagaccagg	ccccagggcc	tactggggcc	agtcagtatg	gtgggtctga
19081	taccacagac	ctgggactca	gtccataatg	tggctatcaa	ccagggtgcc	tttagaatta
19141	actcaggagc	ttttagaaac	atataaatgc	tcatatcccc	accccaaac	ttctaaatca
19201	atattccata	ggggataaga	aaggtatctg	ggtatctgaa	ttttttaaag	actccacctt
19261	ggatttcta	gcacggcctc	agctgaaaac	catggctcac	agataggaac	tctctataaa
19321	aaaggaaaact	agatactatg	ccatgacttc	atagactcta	caaatagagc	tgatggaaaa
19381	taatacaaaa	aacagtaatt	ggacaacctg	aacattttaca	aatcaaaggg	gccagggtgat

# FIGURE 1 (continued)

19441	aagtagtttg	gggtgttcaa	agatctgagt	aagaaaccag	tgaaaagttt	cattatttct
19501	cacaacttac	tgggaagcag	atgggtggag	gggagtggaa	actgaaaatg	tctggacatt
19561	tgttctgaaa	ctaaccagca	cctgtaaatc	tgttaattagc	aaagtaagga	tagttgtggc
19621	taaaaaatata	gtttgtaaat	gtatcaagga	cagtggaatg	tctcaagcaa	taagcaaaac
19681	ggcttttctta	aggacaaaaa	aatccaaaaa	aacatgatat	cttgttttgg	aaagggtaac
19741	catatgagaa	gacaaaaagaa	acacagcagc	tgtgtgtgtt	ggggcttgag	ttgcagcatt
19801	tcatacaaca	gctcatgaaa	ttttaattgc	tgacatttaa	aggttcaa	aggcagggag
19861	agcaagtcac	atgggttgaa	cactaacaaa	agattacgaa	ggaaagggtga	ggctctgtgg
19921	cacatctcca	gcaagaagag	gtgcttagca	gggtgccctg	gggtcagtgc	ttgtctactc
19981	cagattggat	tctgcattct	aattaacaat	gtggaagaga	gaacaaaaga	ccctgaaag
20041	ataccagaag	aagacttgca	aagggggatg	agggaaccc	ccagagagaa	gagcaaatg
20101	agacaggtga	gcccacaagg	cttaattctat	aggaaaaaac	agcagacagc	tgagactact
20161	tacaaaaagg	caaactagct	cattggagga	aaattcacta	gaaccctcta	tatttttagaa
20221	acaaaaggac	acagaccaca	aaaatgtctc	aactatcaac	atgggtaaga	gtgtccagca
20281	ccctggagag	gaggtcaggc	tgtacaggag	gcagccaacc	caccttcaga	tcaggatcag
20341	cagaggcatt	gccaaagaca	agtacattca	gaataactaat	taatatctat	caatggtttc
20401	tctctagaaa	aaaaaatgaa	atgccacagg	gaatgtctat	taaccaaata	atccacttga
20461	agatcttttt	gcccacttgc	tgtcataatt	tggtttctct	ttctaatttc	aggttaagtt
20521	cacactactg	tcataatttg	atcagcatgt	gcaaacagcc	aaaaccagaa	acacatccat
20581	acctctacag	cagcctaatt	taagaagaaa	aaggagaggt	tgggttggtg	gtcaaaggga
20641	gaaagggaatt	ttcattccct	gtatctgccc	ctgggcta	aacagccacc	atgagctgag
20701	tgcttggtaa	gagtcaagcc	ctgtatgagg	cacatcattc	gtattgctca	cttactgtgc
20761	aatggcagag	ttgtgaggca	gttattagac	ttatgacttg	gagaaactga	gcaacttcca
20821	tacacatcta	gcaaatgcaa	ttgtctggat	ttgaacttgt	gtccctcgga	cttctcaatc
20881	tatgctcttt	ccctgcattg	ttcagtcagc	ccctgttctc	tttaagaggg	ttttctcccc
20941	agttccccca	gtccccact	gccctctatt	ctgcctctgt	gcctgagagg	ccttgagagc
21001	cttgagagca	tcactggaca	gccctggcat	acagaccctt	tcactggggc	ccggccaata
21061	agcaagcttt	tcttttacac	agaaatgttt	gtggcagtct	ccaccaatct	cactgtccca
21121	ctagctccct	gtggagtcag	gaagggcaaa	gatcccttc	ttctgggtgt	gactctactc
21181	cttggaatg	cttcacgtag	aattctatgg	attccaactg	ctggtgagtc	aatctctgcc
21241	ccccctggat	taagaatcag	gtagaaggaa	ttgaaaagga	gctctgcagc	cagcaagcat
21301	ttaaaaggcc	atagagaaaa	atgcaggacc	gcttgagaag	ggcagatagc	agagcagcta
21361	ggagtgcctc	tgctggagct	agagtgtgag	ggtgtaaatc	ctggccccag	catgttctat
21421	gtgcacttgg	gcaacctgcc	caacctcgct	cagcctttct	tttcatatca	gcaaaatagg
21481	ttgtagttag	caacagggtg	agacacttag	taatgtcaa	tggatgctag	agaaacaaaa
21541	acggagcaga	ggcaagatt	ccagaagcct	caggatgaac	tttcggcatc	cctagttgga
21601	gaactttcat	atacttagtc	tcccttggtc	acttctccag	ggactagtc	ttgttctct
21661	tgtcttgtgt	agactaatat	acctctgaag	ttgttcttgc	aaccatttcc	cctaagtaga
21721	tgagggataa	caaacaagca	aaatatgtac	tgaagtggg	tggctgcaag	caatggactt
21781	ctttgagtgg	agaaaaaaag	ggaaggagat	gtgggtggg	gaagaaggag	aaattatcat
21841	aaaattggat	tccaaagcat	tcagtatgaa	cattcccagc	aatagcagat	gctttttgcc
21901	tgcttttagat	aagacgtcta	tgatttagac	ctctgcgcaa	actgagaagc	tgttggatgt
21961	tgaaacatta	aatctaaaca	ccgaatgcct	gaacccaagc	agaagaacaa	gccccaaaca
22021	gcctgcaggc	cccgtacccc	atcacatctc	accatgaatc	aaaaacgcac	tacttagggc
22081	agctgccact	gcagctgctg	ccaaagcaca	agggtgggtg	gacctgagca	gtgttctacc
22141	atcaaggaaa	gaactggatg	agggtcctgc	ttactcgggt	ggtgggttcc	acgtggaagg
22201	gtttcctgcc	acacacaggg	tccagcatga	gaaatggcaa	aggcggggaa	caattcaggg
22261	gtgcccagg	gagagaatac	agtcacaggt	tcttagttgc	tgtttctggt	tagggcagta
22321	aagccccttc	ctcatccctc	ttttccattt	atcactagag	acagaaacta	aaagccatgg
22381	cttcaggctg	ctaaaagcct	aaaacaaaaa	aaaaagaaca	acaaaataag	gcgggttgga
22441	cgtgccact	aaatgattgt	ttactatatt	tactatagc	tactgcccc	aaaggcacct
22501	ttggatgcc	tctttggatt	tctcacgatt	ttcaatatg	tagaacatag	tatttctca
22561	cacaatatct	gcagaatgaa	aaaataaaaag	tgtgcatgca	aaggggtggc	tgggtcactg
22621	tagtccaccc	cagagaagac	gggaaaaatgc	attttgcata	ggcacacagt	gatgagaggc

# FIGURE 1 (continued)

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22681 atccccacatg gtagaaagag aaccagactc ggcattccagc ctctaaatga gtatgtacca
22741 gaatttccca aggctcttgt taaaaacgca gatcctgggtc aggcgtgggtg gctcatgcct
22801 gtaattccag cacttcggga ggcttaggcg ggtggatcac ctgaggtcaa gaggttgaga
22861 ctagcctggc caacatggtg aaacctgtc tctactaaaa atataaaatc ggccaggcat
22921 ggtgacgtgt gcctataatc ccagccacta gggaggctga ggcaggggaa tcacttgaac
22981 cctggaggcg gagcttgagc tgagccgaga tggtagcact ggactccagc ctgggtaaca
23041 agagtgaat tccatctcaa aaaaaaaaaa aaaacacaaa tcctaagtct tccctctcca
23101 ggaactgaaa ttctggagtg gggcccagga atttgcttct ctaacaagct cctgggatga
23161 ttttgatcca ggtggcctgt ggttcatatt ttaaggaaca accattccaa gtctcactta
23221 atggtagcct taccttgagc ttcaaagatg accagcatgc tggccacatt tcccccaag
23281 ggggtctctt tagcctctta aatgctaata gataccagca gcctctaaga cctatgtgcc
23341 atgttatgtt ctggaggaga tgacaggcaa acccactcat caacaaaggg cttatttcta
23401 agagaagtct ctggtggggc cagtggtaag aaagcagggg tagcattatc tgaaccatag
23461 tccatgcccc actaaaattt ctgtccagag aagtaagagc cttctgcgta aaagcatgtg
23521 tcccttgagg agaacattcc tggaaaacat agagggtttt attgcttagt tttagaaagg
23581 ggacagggtc aatcccccca ttactatgaa atatgggtaa attgagagcg tagtatgctg
23641 caaagcatca taaaaataat ttacatttgt tactggcttg actttaatgg tgggttttta
23701 ggaggaaaaa aataataaga gaaatttttc tgagtgtctc gacaggagag agaactctct
23761 tcagagttaa gagacatctg tcgcaaagct gactgatccc aagaggggtg aattcttggg
23821 agcccaagtc caagacgcac aaaactctga gtccaggaaa cagcccctct ctggagaagg
23881 agcctacca ggtgtgtgag agtgaagaaa ccaaacacaa gactaaggag gaactattaa
23941 tagcaagctt agctcccaac cttaaagcaa tgaagtgaag tgcaatctgc accctgtatc
24001 taggccaagg aaccaggaag acaatgtctg gcctcaccg gtgctggatg cagtctgtca
24061 gcctcaggtc cagccctctg cagcaacctg atgcctgccc ttcttccaaa ccaagactgt
24121 cttctatttt gttctactag tgtttattga gtgcctactg tatactcttg gaagtgtgaa
24181 gaaatgatcc tacctgccta gcagtgtgta tacctgtcat tccagaccag ttccagctct
24241 catctgagat cataagacac ccataaagtc ccctgcagaa tgttaaagaa caataaatga
24301 tgagaaattc acattacaag atctagaagc acaagatacg cataaatgag ttgtatccca
24361 aaactttctt tttaaattca tagtttaaag gtcagaacct attttccaaa gggacagtgc
24421 tgtaaatagt cagggtgtgta gtctaaacct aacaaattca tagtatagct aaaattatac
24481 acatgtgcca taaaaacaag gaaaacattt ctgctacatt attataatta catttaaaat
24541 aactcaaaaa tatttttgag cagttatcct tagtgatgac atccttggga aataatgttt
24601 aattagaatt taatgaaaga gagatttctg tagaaagtat gaggaaactg gactcataag
24661 gacttttagat tcttatctca cattctttta aaatttttct tctttgtaaa aatactacat
24721 ggttttgtgg aaattttggc aaatacatta aaatttttaa tacagatata aaaaaataaa
24781 tttaatatga aaccaaaaat taaaagctaa tatgtatttc tgtccaagat tttttaattc
24841 taaatacata tgcattgtatt tttacttga aaaacaagtc acaaatattt ttgtaatcta
24901 ctttttccac ttctatttat caaattatct attttatcat agtcttctca acatcgtgta
24961 ttagctttct tcttaatcct tgccaaattg ctcaattaaa aattatatct cattttaatt
25021 tttatttatt cgatcactgt tgaaattggt ctttactctt ctccaattta atggccactt
25081 gtattttatc tatatgtaat tataattaat tatcttttgc attttttacc tacttttctg
25141 ctggactgct tatagttttc ttgagctgaa aagattgtga atatataata atacctcctt
25201 ggttatttac atattgtaaa tattttcatg gtttgtcatt taatttttat ctggttcacg
25261 gtgttaacat acagaaattt taagctttat acagtcaaat ctatccagtt tttccctttt
25321 agtttctccc tatgttttta aatattgaaa ctattttccc ggggtgatcca agttcatttg
25381 cgcttatatg atgaaaaggc caaatctata tagatagaaa tacatcgaca ggccttgccct
25441 ctacccttac tgtctgcacc tcatttgtcc ccacacctg tagggaacca attttatttg
25501 tgtctcactg atccttctag cacatctttt tgcaaacctt aaaacaatta tctaattgat
25561 ctttctggaa taggtacatg gtattgcatt ttgaaaaggc tgttttttcc attaaatttt
25621 gtaattgttt acagttgata tcaaagaaaa ctgttgattt ctgaaccttt attttgccca
25681 cattcatctt gttgatctag taatttttta gttgattgtc tggggttttt agatggacaa
25741 ttatatcatt tttatgattc atattgataa ttttgtcttc tacctccaaa tagtatgttg
25801 ttattatagt tcttatttta ttccatctaa ataagccatg attttacttt gtgatggctt
25861 tataattagc actattttat gtttttaaat ataattgtta tctatctttt ctagttctta

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# FIGURE 1 (continued)

25921 aagggcacatg ccgtgccaca tctggagttg ctgttatcat ttatgttaga taggatgggc  
 25981 taaactgtgt tgcttttagt aaaacaagcc taaaatctca agagcttggg acagcgaaaa  
 26041 cttatttatt acttaagcta caagttgatc atgggtcatg gtcaggtcag gtcacttaga  
 26101 tccaggccca tttccaccaga gcttatataa ccaaaggctg tcatttcggc cgggtgtggt  
 26161 ggctcacgcc tgtaatccca ccactctggg aggccaaaggc ggttggatca tgaggtcagg  
 26221 agatcgagac catcctggct aacacagtga aaccccgctc ctactaaaaa tacaaaaaaa  
 26281 aattagtcgg gcgtggtagc gggcacctgt agtcccagct acttgggagg ctgaggcagg  
 26341 agaatggcgt gaacctggga ggccggagctt gcagttagcc gagatcaagc cactgcactc  
 26401 cagcctgggc gacagaggga gactccttct aaagaaaaaa aaaaaagaag aagaaagaaa  
 26461 aaggctgtca tttactgtga ctgaagctag aggaaggaaa gctggaaaat tttgcactgt  
 26521 cttttacagg tttctgtcca gaagtgcac acatcatctc caatcacatt ttactggcca  
 26581 aatcaagtca cttagccatg ttccaaaagg gcatagaaat tcattcctac catttgccca  
 26641 aaagaacagc ttggaaatat ggggtggacag agctaataag ttaccatata actctaaagc  
 26701 acaacacatt gtatacacac cacaatgca cagaagagat tccttccacta ttggcgatag  
 26761 gttttcaata tgctcctagat ttttggagga gcacagagtga tctaaactag ttgcacagat  
 26821 taactagatg attgtttaat gaactctaata ccaataatac tcacctttta taaagattag  
 26881 agtcaactca aagataaaaa ttttttaaaa gcatgagtta agagctttta ctttaattctt  
 26941 ctcttcccct tggaaagcat aaattaacta aagtttacta tgattactag tggctgaatt  
 27001 ccatatttaa atttataatc atgtacagca tagctaataa ttttaattata agtgtaaaca  
 27061 attcccaaga cgccaatagt tcattgtcaa atcttacctg cttcacaaaa tttgggtaat  
 27121 ctatggtcta gaaaagacac tgccctttat aacattgaat aataacaaaa tggccatata  
 27181 ttcaataaat actaagtaat tactaaataa ttcagcctgg taaaccattt ttaattgtgt  
 27241 caaaagccaa aggtatcatt caatcctttcc tcatttgaga tgtattgcat ttcttatatg  
 27301 tgatgggttaa ttttaggtat aaacctgact ggattaatgg atactcaggt gcttggtaaa  
 27361 ataataattt tgagtatgtc tgtgagggtg tttctgagag attagcattt gaatcagagg  
 27421 actgagttag gaagattgac ctcaccaaga aggttgagca tcatccaatc catcaagggc  
 27481 caaagtagaa taaaaaggca gagaaagggc gaatttgccc tctgggatct gggacatcca  
 27541 ccttctcctg cccgcagaca tcagaactcc aggttctggg gctttaggac tcagggattt  
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 27661 catcatctcc ccagttttc aggccttag actcagactg aattatacct ttagcttccc  
 27721 tggttctcca gcttccacct ggaatatcat gagacttccc agcctccaga ataacatgag  
 27781 tcaaagctca tgtacccgc tcttagagag aaagagaaat tctattgggt ctgcttctct  
 27841 ggagaaccct gtctaataca atatacaagg caactcttta ctgtgaggaa aatggagtca  
 27901 ttcaatcctc accatcccaa acagaacagg ctcttccacc acagcctcta tcaggccctt  
 27961 gtcggcaggc ctggggcatg aaatcacata aagtggactc tggatggaga aggcattcag  
 28021 gaaccagtgc accggctgc agtggtcaat aacctcactc atgtgcccct atacctccat  
 28081 tttctacctc tctctaataa gaacatgagg gattgctttt aatacacaga ttagctttg  
 28141 ggccattcat ataaacatac aacaatcctg tcaacagtat tatagttggg gtcctatagt  
 28201 tgtgctcct ctaacctgtg aattagcaat agatcatcct atccagaggg ttggtctgtg  
 28261 tgccttctct aaaggtatca aaataaagaa gttgtttctt cttttctctg ctccataatc  
 28321 aatatacaac acaaagcttc attcatgcat agtttgagct aggtcatagc atgacctgt  
 28381 cctagaactt actttctgcc ttccgatata catagtaaat agccaaaata tgtactcaat  
 28441 acatccattt ttaaaactag tcaatttaag ataagaaata tcacaaatgg gtttttggca  
 28501 ttataagata aaaagatcaa ttgattgaaa gtctcgttcc ttaagattga atttaattgg  
 28561 tttgattgac atcatttatc cacagtcctat aaaccaaagt tatccatcat cattgatgaa  
 28621 cggcatttga aaactatcat caaattagtt gcttagaaat gccaaagatgc caccttagac  
 28681 aaggaaggcc tctggcaaaa tatattcatg tgctgcctaa tgacttttgt ccaccatgga  
 28741 ctgcatatat gacagtagac tcataagatt ataatactgt attttattgt atctcctcta  
 28801 agattagata tgttttagct cacaataact taccattgtg ttacaatttc ctacaatatt  
 28861 cagtacagta acatgctgta cttgtttgta gctcaggaa aataggctat accatatagc  
 28921 ctaggcatgt aatagcctat accatccagg tgtgtgtaag ttcactctat gatgttcaca  
 28981 caaagatgaa atcgccctaa gaaggacaca actctcagaa cgtatctgga ctgagggaa  
 29041 acaacaatct gattatcaga ttttcaaaac gtgggcagcc ttacaagatt cagagtttaa  
 29101 ctgataagca tgtaatttgc aatttcctaa ccttgggaatt tgtcaagata atgttataat

# FIGURE 1 (continued)

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29161 agtcccttat agaactaata gactcttcca ataagtagat gctgctttgt gaattcagtc
29221 ctatcgtgag acttctgaat tgggatcttg gaatctcatt agcctcagaa tcctaaattt
29281 ataataaaga tgcataagagg catagtgagt agcatttgga agatgctctt aattctcagt
29341 tctccagttt gtcttaattct ttttatataa actcctctaa tctcaacct ggcttctgcc
29401 tgtgcaaaag tcaatatatg agttagttac tactccccag tgaaagacga taacatttta
29461 ggagtgatac tttatgtata tttagcattt gtcaccccta aacttcagtt atagaaattc
29521 tgcgatgaat ccccaaaaata tgtcagtga ctaacagtct gtaaaccatac aatcatggca
29581 tttaatatcg tattagctac acagaaaaat aaggatattt atagcacatg ctcaagagat
29641 ttcactattg acattaaaaat ctccaatgga aatactcctt ggaattgagg atatattgca
29701 gtagtggtaa aaaatattaa tatttggtga gaactacca tagccctggc attctgctaa
29761 atattggata tctttttctc atttaaacct cactgctatc ctaggaagta gaaactatta
29821 ttacccttat tttaccagaa gcaaatggaa tcaagagagt aactgtttta cccaaaatca
29881 tcagcaggaa tgttgccaaa caatggcctc actgcctaag gtacacagaa gtcagtacta
29941 tggpaccagc ttttgagaaa agaaagggct ttattgcaag tcaactgcc aaggagacagg
30001 agccaacact caaatctgtc ttectgaaca agggtttgag agcaggtttt ccaggcaaac
30061 agcaacaatg caagggacag gaaaatgaaa caaggcatga tctgattgga tcatgcaaa
30121 aagtcacgcc aggtcttttg ttaagtccat acggcagcaa aacagggcac cccttgcttc
30181 ttaatttggc ccttgctcct tgatccaagc acttgggttc cacacatcat tgactttttt
30241 attccagctg gctccagggt cctgaatcag gtacccttag ttcatttggg catgctcagg
30301 taatgtgacc agcaacctg gggctccttg cactgaaaaa ctcatcattt tgttactgac
30361 aacgttgaat tggttctgcc attacagaat gacaaattaa caggaactgc agtgcctac
30421 atgaggtggt ggatcttgg gctaggtcat aacaatggaa atagaaatga gtggatctgg
30481 ggtcactttg caggcaacag cagctgctga tagactgagt gtagcagggt gagaagcagc
30541 agcaatcggg gtggctgcta ggattctgct tgagtgttg ccctgatggc atttatgtat
30601 atgagagaga agtaggttga tgcgtgttcc caagaggaga ataaaacaca ttgtagtcat
30661 gatctacaaa ttaaacatac aattatacac acagacacat gtatctatac atatttaaaa
30721 catgaccta gagaaggatg tttttctct tgctgttttt catactgtcc tatcatggga
30781 gaccacaat taggactctg aagacagctg tttgcttggg gttttgctaa tgcttcgggtg
30841 tatcaaagta aggcacacac tctgaggag aaatctggca tggaaacatc cttaaatgcc
30901 accctacccc tcatggttta tataagcctt agctacagca ttgtctagaa atggctattc
30961 tttgtctttt ctttggaaca catttctcac ttcaaagca actacccttt gccagccag
31021 gattttccca atactgaacg ggtgcccac ttcaaggaca attccaaatg tgtgccctg
31081 cttttggaac aatgaagagg gtttcgctca ttgtttttct tgtcttatct gcattccagaa
31141 atttctggct tgtgccattt taattttata tacttttact ttatttcatt tgaattttag
31201 aaaataatga gtatttaaga gaataagtgt ttgaatttaa acaactagga gtaggattac
31261 tgcagttaga gcctgggatt gccatttgaa gtcattaacc agcctgagac caacctttcc
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31381 gcaagctctt ggccactcaa agaaaaacca ctgaatcaaa ggagatggca tatgagtcac
31441 ttcatacaat acttatttca catagattta aaactatgtc ttgctgagct caacttgact
31501 gcatgtttga atagtgaag acattgtgtg aaaaagaaaa ggggcaaatc taatcacagg
31561 cacaataacc cttctagaac cacattttag ataagagtgt cccgcagagg cggggtgctg
31621 tggcttacgc ctgtaatccc agcactttgg gaggccaagg cagccggatc acgaggtcag
31681 gagatcgaga ccatcctggc taacatggtg aaaccccgct tctactaaaa aatacaaaaa
31741 attagcaggg tgtggtggcg ggcgcctgta gtcccagcta ctagggaggc taaggcagga
31801 gaatggagtg aaccaggag gttgcagtga gctgagatcg cgccactgca ctccagcctg
31861 ggtgacagag tgagactccg tctcaaaaaa taaataaata aataaataag agtgtccgcg
31921 agaacaacag ttccctggga tattaacagg tattctctct tttttttgca aattttattt
31981 cttttaaaaa attattgtag gcacatagta ggtgtatata tttatggagt acatgagatg
32041 ttttgaaaca ggcagcaat gtaaaataag cataccatgg caactgggtt atccgtcccc
32101 tcaagcgttt atccgttgag tgcaaacaa ctagttacac tccatacatt attttaaaat
32161 gtacagttaa gttattgact atattcacc gttgtcttat tcattctttc tattttgtgt
32221 acccattaac catttccacc cattcccagc ccccaactta acagcgact ccaaaagggg
32281 aaaaatgatc tgtggtcacg tgagtaatgc taggttaagt aaatttgaac aggtttcttt
32341 actatagact tctctagatc ttttgttgt tgatgctttt ttgttttgtt ttgttttgtt

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# FIGURE 1 (continued)

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32401 ttgttttgaga tggagtcttg ctctgttacc caggctggag tgcagtgggtg caatctcagc
32461 tcaactgcaac ctccacctcc caggttcaag tgattctcct gcctcagcct ctcaagtagt
32521 agtttgagatt acagggtccgc accatcatgc ctggctaatt tttgtatttt tagtagagat
32581 ggggtttcac catgttggcc aagctgttct caaactcctc aggtgatcca cctgcctcag
32641 cctcccaaag tgctaggatt acaggcatga gctaccgcgc ccggccgact tctccagatc
32701 tttaatgtga tgctaatagg ttctgtatct ccaagaaagg agagagggca tttactgtt
32761 tcccaaactt atttaatcac agaaagctat ttttgagaat gttttgtggc acatattttg
32821 agaattctca tttcaaagga aagaaaaaca taaataaggg cttaattgaa aggacaacct
32881 catttaaaag ttgacataga ggccattatt tgggtcacag aaaactaagg cctgagattt
32941 gtcattggagt tcatgtcccc atttggtcac taagatagag acttgtcatt gtaatggctg
33001 ctccagcactg gtgaacaccc gccatgaact gacccaaacc agtgtggcca cacatgaggc
33061 gaggcattgcc cgttatcaca ctaccaaata cggaaaccaa gtcttaaacc aattttttgc
33121 tccatataca gacatttact ttacaattgc ttattaacaa ttcatacaac acgtttgggt
33181 agctcaaaga agtcccatct tctgtccttt taggggtctc cagcaccacc ttgactgaaa
33241 cattttctca aggcagacat ggcaacatgc ccgaggcagg attctggaag gttcctaggt
33301 catgccgggc aacttggaat tctccaacta agtgggtgga cactgggcca gtttagcgtc
33361 aagtctcagg cactatccct aagaaaaagg ctgcagtctt tgctggagcc ttataccctc
33421 ttcattaaaa acaggaaggg ctctaataat tttagccaatc gaggtagcag tattagtttg
33481 tgaggggacca caggctggta acaatagaaa tttattttcc cagagtgtctg gaggtctgaa
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33601 gatggctcat tctcactga gtcctcacat ggccctttct ctgtacatgc acatccctgg
33661 gtccctgag tgtccaaatc cctcatctt ataaggactt cagtcagatt ggattagggc
33721 cacaataatg gcctcatctt aatgtaatca cctcttcaa aatcctatct ttaaataatg
33781 tcacattctg aggtactggc gcttagggct taaacatatg aattggtagc agggacacaa
33841 ttcagcccat accagtatcc taaatattgt tttttttatt ataatgatat cccatatcta
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33961 actatgctaa ttagcaaagt ctcatacact tctcttctt ttaataataa tttcaacttt
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34261 gtatatgggt ttctgttctt gcattaattc actcagaata tcagcctcca gctgcattca
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34381 tgtgtaccac attttcttta tccaatccac cattgatggg cacctagatt ggttccatgt
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34561 atcctgggag gaaaggactc atataattgg gctcttttt gcagtatctg tatttctttg
34621 catatttcag catagacaat gtgatatcat ctgtatgcca gcttcaatgc taagggcagc
34681 caattacctt aatagagaat gtacactgga ggggttgctta cgtagcaaca ctcaggagac
34741 ttcaacaaat gctccgttta tacctataaa ctgagtagtg tctcatagg atcagcgttg
34801 gatgggggtt ggccaaatgt cattatttca actgggtctc tgtcttttg agattctgtg
34861 ttacctcaca gataattctt gtaataaatc ctttttctgc ttaaactagc cagaattcat
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34981 agatatgtta tggatatagt atctcctctc tcataaaaacc agggaatcac aggttgacca
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35221 aaataacccc tgtaacaatc ctccagcctg agagaacaat tttccatttc tgtttaaacc
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35521 acaagatctc ccagcctaac cagaccaggc tagacaggag agaggcgtg ctgtttgggt
35581 gtgggtgtca tccagggtaa ttcacttttc tgtgtttgcc acccagtc atctatgggt

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# FIGURE 1 (continued)

35641	gtaggtttgt	tgttggttatt	gttgtttttcc	tttgagtttt	ttttgtgtgt	taaaaccta
35701	actgttcaaa	gaaaatgcat	gctgttctca	tccctcaacc	aagcatgttt	tctcaattag
35761	acgcattttc	acagagaatt	agtcttaaaa	ccctgtgag	cttaaaaata	gattaagaac
35821	tattttcttaa	gctccctttc	tttggatttt	aaagtgtttt	tgagtggagt	ttttttggg
35881	ggtggaggag	aggaagttaa	gcgtaattaa	gtagatcaag	aaaaaaaaga	aatcatttta
35941	actattttctt	atatgatcct	caggctttga	ggttcactca	tgtaataaaa	gctcatcatg
36001	gatattaatt	cattcattcc	tatactcctt	cattcacaac	agactgtgta	tctatcaggt
36061	tcaaggcact	gtgctaaaag	aaatatacag	gaagaagccc	ggagcattta	aaagcaggat
36121	gttgacaaac	acacacattg	aagatactat	gatttgagct	tctgacatct	ggactaatta
36181	aagctgagga	aattggcatc	tatttggtcaa	aatggccaac	aaagaagaca	ccaggcagaa
36241	caacccacag	aaaattttcat	cagccaggaa	attagaattc	actctcccca	tccaaagaga
36301	aagttaatta	ctggcctttg	tggattgcat	tcctggctct	gcactattat	cttaacacag
36361	aaggcaagag	aaggcaagaa	ggggctgaaa	gagccatcct	tccaaaatat	acttgggaga
36421	attaaaacac	cgatgttctt	ctctggggcc	cttgtgactg	gtcagatcct	cttgcccaga
36481	tcataagagg	gcttagtgga	aacaaaaatg	gtggttgtga	atgtgaacac	tattaaatgg
36541	tctttcttct	gtatccaaag	gtctaagcct	ttctgaatgg	agtctttcaa	gactcagctc
36601	agacactacc	ttttcaagga	aaccttttgt	gacctctctg	ccctcaacc	cacacacaca
36661	accatgccag	ctagaccata	gatcttctct	agcatttcca	cacatctgca	ttaccctcca
36721	tggcccagcc	tcattatcag	catccctcat	gaggctgggtg	gacacttggg	gtgtctctgg
36781	cacattgtaa	acccttcata	aatgatttct	gaaggactgt	aatacatagt	ttatacaatt
36841	ttcagcatac	gaatttaagg	gaaagcataa	aagaaaaata	cccatgggtg	acatttaaat
36901	aataataata	cataaaggaa	atttcacata	tttaaacaga	caaagactga	cttatactag
36961	aagagaaata	atgacctatc	ccacagggtg	tatgtaacac	catacgtttt	ccaaactgct
37021	aaaagagagg	tagtttgctt	aaagttaact	cccaactcta	ctcacttaaa	ggtggagggt
37081	ccattttatc	ttaacagtga	ggagcatttc	agaatagaat	gttctcacac	acacacacac
37141	tgaaggcaca	taatttgagc	tactgaaacc	ttgaactcgt	taaagcttag	ttgttggaat
37201	gcatactcct	aactttgcaa	gattattaca	cttagagaac	atctgagatt	gcagttaaat
37261	aaaacttagg	tttgtctgaa	aaattaatta	gtgtacataa	ttattctgcc	acataaagca
37321	aggtatcaga	tgtaaagcaat	tcatgtatgt	tattttaata	attagcacca	ctaagttatg
37381	ttccttttcc	acctctggct	taattttatc	tctaataatg	gtacaagtgt	ctggctctact
37441	gtgttcccca	caccattaat	gcccaaccaca	cacacgtaag	cacaggcagc	aaaagattaa
37501	aatectgcgc	acctgttttc	gcctgcctct	tcacactcct	gcctctacta	tggccccggg
37561	tgggtgctccc	cagtactccc	aagctctctg	cctcctcatt	ctctctcttt	tcccctactt
37621	ccaggggagg	attcacatcg	gattgggactg	aaacgtatac	aatttagggg	ttcttatttt
37681	caaaaaataa	tattaaatta	ttaattctac	tgggtgcggg	ggctcacgcc	tgtaatccca
37741	gcactttggg	aggccgaggc	aggcggatca	taaggtcgga	agttctagat	cagcctgacc
37801	aacatggtga	aacctgtctt	ctactaaaaa	tacaaaaaat	tagccaagta	tgggtgcaca
37861	cacctgtaat	cccagctact	caggcaggag	aattccttga	accggggagg	cggagggttat
37921	agtgaactga	gattgcacca	ctgcactcca	gcctgggaga	caaagcgaga	ctccatctca
37981	aaaaaaattg	ttttaaaatt	aggtagaaat	aaatatttat	ttaaaaagag	aagtttcctc
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38281	ggcgatagga	agatgaatgg	aagccattcc	aacacaagga	gggctagccg	ttacctcaca
38341	cagtgaactg	aaaccacaca	gatatactct	cacaacctgt	ccctgagcc	agatccaaaa
38401	attgcctgta	gtcactctaa	ctctctaaca	gagaagtgtg	actgaggcaa	gttaaaatgg
38461	aaaagtccaga	ggatgtaagc	agttgtagct	aacatgtctt	acttgtgcaa	atgttgccaa
38521	acatgaccac	atgaacgcat	cactaggggc	tctctagggc	ctgggaagga	accaggcat
38581	gtgaggggacc	ctgacacctt	agcctctaca	gcttcttggt	aatcccacct	ctgccttctt
38641	cccacacatc	ttcccatgga	ttccagtcct	caagcttctg	ggccagcaa	ggcaatgagg
38701	ctcaaggcac	tgagcgccat	gccttagggc	aggatggaca	aactggcaaa	ggaaacagga
38761	agagtaaadc	acacagatgc	cctctgcctt	caagtcttgg	gacaaagagg	gatggaggga
38821	gggattagag	ttctgagcaa	agacaggact	ttgaactcaa	gcaagtggac	actagctcat

# FIGURE 1 (continued)

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38881 tgaataacca tgagctaagt gcttcacacg gattactgct ttcacctca ctaccaccct
38941 aaggaaaagg agagagggaa ggagaagaga aagaaaaaga ggaaggagaa aggtaaagaga
39001 aaggatgatg atgaaaagga ggaggaagaa ggagaacatg gagaagaaga atgtaaaaaa
39061 gaagaaggaa gacagaaaaga agaggggtag gaggagggga ataagaaggg ggaggaagag
39121 acacagagga agaagagaaa gaagagaaag agatcaagtg aaagagaaaa agggaagggg
39181 agggaaaaga gcaaagaaga aaacgtaagc tgatagagag agataaaaaga aaaaagagaa
39241 agtttactcg tgaactcctc ttccctagga agcagcagtg tttatctttg ctgtcataat
39301 aaaattaaaa gctttttttc agactataca ctcatcctct taaattagaa agagtgacaa
39361 tttcttttgg ctgagttctg caaaatgcaa gttgtcatga tctcacctct taaaaaaagg
39421 aaaaagggaa aaaagcaacc tccaagaga tggtatcac ttcaagcgaa tgcccagcgg
39481 gccagccatt tggttgctgt ccatgttttc cagtggcatg tgagccttct acccagacca
39541 caatcccatg ccaagctcca tgtcatgttc aatcttcaaa atcttttgta caattccaac
39601 actttccagc aagagttgat tttctttatg tttgcttgc ttttaactga ctgacactca
39661 taaattttctt ccaaggaaaa aagaatagca gaaaacttga aaatatcacc taatctgtac
39721 tgcacatggt aagactgttc agaaaagttg aaaaattata attcgcaaat ggggtggctt
39781 aagtaccagt tgaacctcag aaaaattaaa ttcttttagga ggaatgcctt taattagaat
39841 cagaagtaga ctctgtcatg gaagtccctg aaactccatt atttcacaga tttgcagact
39901 catagacttt cttattttat gtcagaaact tctggaagtc tctcaatgaa tctccaagtt
39961 actgggtgag accacaccta gccagcatt ccagatgaac tgccagtctc atattattgg
40021 tgaagacacc caggaaatat ttcacacact atctcagtaa cattccaatg tgttacaatc
40081 ctgcttttta ggaaatcctt cattatttcc aaagatactg ctactgctct acatcctttg
40141 tgaataaac aagatcaaaa cctttataat ctcaaaaaaa aaaaaaaaaa aaaaaacagg
40201 aaaagaatta aggaacattc tctcttcttt tttttttttt tttttttttt tggaaatgga
40261 gtcccatcct gtagcccggt ccagagtgc atggcgtgag ctgagctctc tgcagcctcc
40321 gccttccggg ttcaagcgat tctcactctc agcctcatga gtagctggga ttacaggcac
40381 ccgccaccat gcctggctag tttttgtatt tttagcagag acaggggttc accatgttgg
40441 ccagcctagt ctcaaactcc tgacttcaag tgatccacct gccttggcct tccaaagtgc
40501 tgggattaca ggtgtgagcc actgcgccca gccacattc tcttctctg caaactaaca
40561 tgtctatacc tttttcagtc ctttaatgac ctgtgtggac cctgtacata acaacgtgct
40621 ctgtgggccc ctccgttgtg ggtcgaacaa ttaaaccact cactctggtt ggtgccagcc
40681 agatgagttg atgaaacctg agaggccaga ttgcttccag ttctgtaaaa cctgtttgag
40741 aattaaaaga gatgtccat catgtcctag gctgagtaa tatgaaggaa cagtgttaatt
40801 ctatggcaac tgacaatccc aacagtaagc caacacagca cccccccag gagcaacagc
40861 aagtgtttga gtgggttcaa aagagagttg gggaactagg gggattgggg ctgcacgtga
40921 cgaggagaaa ggggtgtggga taacatgggt tggccttgggt tgataggcta tgtccagtct
40981 ctgctgcctc tgtctctcct tctcctcctc tacctcactc ttgagcccc cactttctc
41041 tgtctcccta tctgaaacac atacctgct ctttaattggg aaactagtaa acatttctgc
41101 tgattttaat cctgaaacat cattgagacc atatgaaatg agtcttaagg atcagaacca
41161 tatgaaggga aggactgtgg gctggcagcc ggcgcacctg tgctgtcttc tggacttcca
41221 ccaccaacag tctccaggac ctgtttcaag ttgcttcacc tctttgaacc gacttcatct
41281 attaaactgag tggttgaact agatggctct ttctggctta aaaattctgt gatttcatct
41341 ctggaggaat ttcaagcatg ggtagagaga gaagaaactg agaggcaaga ggtatggttt
41401 ggactcatca aattaaatca caggtgactt tccagtcccc ccaccacccc gatctgtaag
41461 gctgcctttg ggtgcgtggc ctctctgcaa aatggcaaac acttgaaaaa gcttccacgc
41521 tgaaacccaa accagaccat atttaggatg ccccataagg tggcattttt tactaagatg
41581 ataaaggata aacattgggt gagccagaga ggtgctccc aaatacagtc cctcccata
41641 gcaacactgc agtagcctgc acctatctg cagagtatga aaaagacttt tgccaaagac
41701 ggcttttggg gatttatcat tattacatgt taagagcctg ttctccatgt cctcaccttc
41761 ctacctgtct aatcttcccc atttccatct ttccggcccag tgtgagacct caccatctcc
41821 ttttccatc ttctttctc catacccttg gtttcttagc aggtcaatgc cctgcccct
41881 tcaactggaat ccatccatcc tggttattct tttctttatg aacctgctgg actacatctc
41941 aaagttaccc aaaagagggg taaaaagaca caataaaatc ggaaataacg ctccacctta
42001 ccagcctgca gttaagagtg tgtggaacta ggggtggctgc aggcacagag atagggggaa
42061 gggctgcctc atgccatggg caggacagta aatgggtgcaa attttctgga aagcatctta

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# FIGURE 1 (continued)

42121 gtaatatagg tgaagagcct ttacaatgtg tttatccctat gacctatcct taçttctctt  
 42181 attctaaagg aataagaaga ggtttaatca aagcatgagt gaaaaggcca tccaaacaca  
 42241 gggaaagggg ccgttatgat gtctacgggt ctaagaaata gaaaacaaca acttggttta  
 42301 aataataagc acataacca agaaatctag aagtaggatt cçcttaagag ttgagagatt  
 42361 tagcagctca aaaatgtgac ctgacatacg agttctttct atgcttttgt tçttcctcct  
 42421 ccaacactgg tttcacacta aacttggtc cccagtggcc aatagcacca aacagcactt  
 42481 atcggcattc ttgttggtat ccaaaagaga tggagaaagc ctgatttcac atggctcttc  
 42541 cttaaaagca acaaaggact tttcccgaa gccttcagca aacctcgta gatttgaatc  
 42601 acatgccaat tcctaaatca gtcactggca gggagtggg aaaaaggga ggaggtgttt  
 42661 accçttaacc aatatgccta cccctgccca ctgagatcaa ttccataaaa gtattgcttc  
 42721 agttctttga agaggagtac aatgtttgtg agtcactcac cacatttacc caccaagagc  
 42781 taagggataa ctgagtaaaa tggtagagct ggtaggaaaa tggtagtag tcccgctcctt  
 42841 ctgtgccata attgacttgt acacaaagag atttggaat ttaaacataa gaactctctc  
 42901 ttçccaagcc cagggçtttg ggcacttcaa gtctggctc tgcctgggca cagtggctca  
 42961 cgcctgtaat ctçagcaatt tgggaagcca aggagggtg atcacctgag gtgatgagtt  
 43021 tgagaccagc ctggccaaca tggcgaaacc ccaactctac taaaaaatac aaaaattagt  
 43081 tggatgtagt ggcacacgcc tgggaatccca gctactcagg aggctgaggc aggaaaatcg  
 43141 cttgaatctg ggaggcaaaa gttgcagtga gctgagattg taccactgca ctcagcctg  
 43201 ggagacagag caagactcca tcccaccccc caccaaaaaa aaattctggt ctttacatgt  
 43261 gaaaaaataa agçtaattt ttaaaaacta aataataaag agtgtaggt gataagtttt  
 43321 atgatagaga taatgtgtgc tttaaaacac acagcataaa acagatggaa aacacçtcac  
 43381 ggagaaggga gagçttgaat tgggtgttga ttgaaggaca agaaaaatct gttggtaact  
 43441 tçctcctggc tçtgacçtct gatgcagtta aagtaaagca acttagaatt atgatctagg  
 43501 gaacatattc agagagaaat gaatttatga tçtçttcaat ttgaagatgc tatgatttta  
 43561 gactattçta gaatacaatg atttttcatt gçttcacact tgtaagaaat gttccactac  
 43621 tgaaaatttg caacacttaa aaaattcçta caaaaaatca cagccacçt tçctgttçta  
 43681 tgçtaataaa aaaaaatatt ttttçtcaat tatgttgçtc tççttaatta cagçcaattt  
 43741 taaaactagc tgtaactgac agcççtttcc tcacacttac tgccaatgta tttagggtcaa  
 43801 tcccacçtcc aattagagaa acttagaaaa aggaaatcçt acggtgaaat gccatattgçc  
 43861 ttacaatttt cagtaactaa tçctcaagga tgacaacttg gcaaaaaaga gaactggacc  
 43921 agctccçtga aagggtccatc acttcggccc atgttaattg attgççttaa aatcacagtç  
 43981 çttccagggt gtagagacac actcaaaatg gactattgçc ctcacattaa aggggatagg  
 44041 ttttçttttc cçttttccca tccçtgçttc tçtcaaagct gcacagagggt atatgagggt  
 44101 tggggaatat ttgcagcaca tçttggçtgç caagaatgtg ggtgaattcc tçttaaaggçg  
 44161 cçcagacact cçctçttçta tgacçtttcc tttccacca gaacaactga agtatcatga  
 44221 taagagggaag gççtttçtgç ttgagataag cagctççtat acçtgçcagc tttçtçtaat  
 44281 aagaaaçtçc tttççtgçca cçgtatagggt cacttçtçta ttggtaaaagc atgataaggt  
 44341 ttggaaactg ttgtççttgt ttgttgaaa gaagcçaaagt tccaagaaat ctgçagaggç  
 44401 attççtaca a tccçtcagcc atggcagcat gaatççtgaa ggggçagtgç gtççtgçttt  
 44461 çtactçtgçc tgcacagçta agççtagggg agataatççt ttçatacaag atgçattçtgç  
 44521 çttttgtggg cçtçttgçag cççtcaagcc cççatçtgat ttgtacacaa tgatççagtgç  
 44581 ggççagagga gçççagagcc atgagçggcc catçççtçca agaactattt ctgactgtçc  
 44641 agtatçatgg agcaagtgg aagaagaaaa aaaaaacçca attacttttç gaagagcaag  
 44701 atgaatgçtg tagaaggga aggaaggçga gggagatgg a tgggtgççga ttççagaatc  
 44761 ttçagatçtg çttggatgaa tcattacçta tgatttgçgg gacaagaatc tgattttatt  
 44821 catcaaccag tagaaacttt tçttttçgçc tcccaacatc tgaaatccaa caaacatgtgç  
 44881 cçttaggaac ataccggtca tçttttagag gçattttata tacatattga gtaactagaa  
 44941 aacactçttt cçgtaataca cacacacaca cacacacaca cacacçatçt tçtcatacaa  
 45001 cactçççagc caagaaaagc gaaactgçtg tttgatgaat gtaaacactt ggçtgçttgç  
 45061 agçagtgçgg agtççtgçca ggtttaaagt ctaagatggg aggtgaacçc caggggtttc  
 45121 cçççtgçççg tççtgagatc çttatttggt caagçttçta cçtatgçççt ggççtçggag  
 45181 çgagçççgag agçççtgçgat cacagcagag ggagçgagg gççtgagçtc cçatçççgaa  
 45241 gagatgaatg gaattççag aagçtagagt catgçtgççt tgggagagtg gçttggagac  
 45301 çagacttcaa tgacagaagc actaggçagc ggcactcatg gcaatgtgtg caccacaga

# FIGURE 1 (continued)

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45361 aatgtaaccc acacctcggtg ttcaggagcc gaaaaatgaa aagaacgttt agggaggaaa
45421 aagggaataa caataatagg cagagagtaa tttattactc tatgggtctg ctctgtaaat
45481 agctgaagac tctggagcca gatggttctg caaattctcc aaacaggagt cacgttaaga
45541 agcacgagtg ggcacaaaaa ctgtttttca agacacaatt tcaatttggc ttgtggaaac
45601 tggatacgag taagtttctt taaaattcga gtagaaagca gctgtcctcc cggggccctt
45661 tgatgagaat acgcacaccg cccccaagcg gccggccgag ggagcgccgc ggcagcggga
45721 gaggcgtctc tgtgggcccc ctggcagccg cggcaggaaa gggcccgaag gcagcgaagg
45781 cgaacgcggc gcaccaacct gccggccccg ccgacgccgc gctcacctcc ctccggggcg
45841 ggcgtggggc cagctcagga caggcgctcg ggggacgcgt gtcctcacc cccggggacg
45901 gtggaggaga gtcagcgagg gcccgagggg caggactctt aacgaatggc tctcttggtg
45961 tcccctgcgc cccgtcggcc catttttctt ttacaaaac gggcccagtc tctagtatcc
46021 acctctcgcc atcaaccagg cattccggga gatcagctcg cccgaaagcc cctgcgccac
46081 cccgcggggc ctccctaggtg gtctccccag ccccgctcct tttcgggatg cttgctgac
46141 accccgagcc cgcgtggcgc aagagtacga gcgcgagcc cgtgcgcgc aaggctgcgt
46201 gggcggggc cgaactttct gagaagttct agtctccca agccccgacc cccgcccctt
46261 tcaactttct gctggaaagt tgcgcgccag gcagcgggg gcggagagag gagcccagac
46321 tggcccccc ctcgcgtctc ctgcccggcc gccgccatt gcccgaggga atccccagga
46381 atgcgagcgc ccttttaaaa gcgcgcggct cctcgcctt gccagccgct gcgcccagc
46441 tggcctgcga gttcagggt cctgtcgcct tccaggagca acctctact cggacgcaca
46501 ggcattcccc gcgcctccc agccctcgcc gccctcgcca ccgctcccgg ccgcgcgct
46561 cccgtacaca caggtaagtc gccccggcg gccgcgagg accaaagctg cccgggacat
46621 ccacctggag cgctgaggt tcagtcctc tgggtggacc cggaacctac actctccccg
46681 ctgcctacc ccagcccgct cctctcagcc gctggaggac tcttcagggc aaggctccag
46741 agccatctc tccagccttg aggttcacaa accaactcat caggacacc caagatttcc
46801 ttactctctg aagtcctct taagcctttg tatcagcact ccagggaaga gtctgtactt
46861 cccctgcct cctgcaacc ccaaactaca gttcctgatc ttgctcacct tcgacttccc
46921 aaaagcccc aaattggttg tcttgccccc cccacacttt aaaaccagca tctctttcct
46981 ccacctctct ctctctctct ctctctctct ctcatgctct ctggaaaagta atcctgttgt
47041 ccttcatttc agcaaacgcg gggtaaaaga gggatggtcc cggccctgtc cccatgccc
47101 gccccgtttc tgcgcaccgt cctccctgc ctactgactc tctgaccctc ggctcttggtg
47161 ctctctgcta caggatccct gctgggcacc aacagctcca ccattggggt ggccctgggga
47221 ctaggcgctc tgttctctgat gcatgtgtgt ggcaccaacc gcattccagg tgagtctgtg
47281 tggcaccttt aggggaagga gggacaagga agaggtgctg gctatcccag gtgtgcccc
47341 tcacgtgctg tctctccct cttgagcctg actggacatc aggcgcgagc ttcactctga
47401 tccgtgtatt tattcacctc tttcagtggt tgccaggagt tttaccccca accctttgtc
47461 tccaccccta aggactcagc cccctactgc tgggtcccagc ctagaaagct cacttttgtt
47521 tctctcctgt ctaacagagt ctggcgagga caacagcgtg tttgacatct ttgaactcac
47581 cggggccgc cgcaaggggt ctgggcgcg actggtgaag ggccccgacc cttccagccc
47641 agctttccgc atcgaggatg ccaacctgat ccccccgtg cctgatgaca agttccaaga
47701 cctggtggat gctgtgcggg cagaaaaggg tttcctcctt ctggcatccc tgaggcagat
47761 gaagaagacc cggggcacgc tgctggccct ggagcggaag gaccactctg gccaggtctt
47821 cagcgtgggt tccaatggca aggcgggcac cctggacctc agcctgaccg tccaaggaaa
47881 gcagcacgtg gtgtctgtgg aagaagctct cctggcaacc ggccagtggg agagcatcac
47941 cctgttttgt caggaagaca gggcccagct gtacatcgac tgtgaaaaga tggagaatgc
48001 tgagttggac gtcccatcc aaagcgtctt caccagagac ctggccagca tcgccagact
48061 ccgcacgca aagggggcg tcaatgacaa tttccaggtg aggcctcttc tctgagccct
48121 gctccgtggg atcatctgct agacaggtga cctgccagga gggctacagg aaatcctgtc
48181 tgtaaaacta cgcagcagtt ctccagattt aggcagcatg agcatcacct ggagggttg
48241 tgaaagctca cctgtgcga cccagcccc agagtctggg attctgtaaa actgcaactc
48301 taacaagtac caggtgatgc tgatgccggt ggtctgggaa gcacactttg aaaactactc
48361 aaggaaacaa gaaatggttt tcttttagca gtcagcctgt tcaagcctta gatactcctt
48421 aggcctttaa gaaaagagct tatttcaaat gcattcccc aattttaatc ttgtttgaaa
48481 tggatacttt ctatgggcag aatcagtagc actttgctat tggattcctc atggggatgc
48541 agctggtctc acataaaaagg ttaaaatagc agttagttgt tgctgttaca gcttcatctg

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# FIGURE 1 (continued)

48601	tgccttaact	tctagatctt	tgcacgggtg	gctttgaact	cccacattta	actctttgac
48661	actggaaaagt	gtcattatat	cctctaggct	taggatcaga	ttccatttcc	tgtgtaccca
48721	agtaggctga	taactgaatt	ctttgtaaaa	tactcaagac	ttggcagaag	tcacaattaa
48781	gatttttgaag	ttgtttggcg	attaatgttg	ctgtgttatt	ttgacatagt	gatcttaaga
48841	cagctctttg	aagcttttag	aacatctatt	gtatgctttt	cctagcatac	agacagtctc
48901	ccccaacccc	atccccaccc	cgctctgcat	tctacaagta	atgtgtgtcc	tctgccaca
48961	gggggtgctg	cagaatgtga	ggtttgtctt	tggaccaca	ccagaagaca	tcctcaggaa
49021	caaaggctgc	tcagctgtg	agtaccctc	tatttttagg	gcacatagg	aatcagggg
49081	aattccacca	aaaacaaact	gaggaattta	gcaatagtgg	ttatacataa	attaccccca
49141	gtgagatcat	caagaggcat	acagaagtga	ctccaaggg	tattatacac	acacacgtat
49201	acacacgtgc	gcatacacgc	aacccctcta	cctgcctcct	tcacaccaa	tgaaacgtct
49261	tctaccacta	agaactcaag	aggctgggtg	gtaagagtat	ctatttgaag	ttttcatttt
49321	gtttcttgcc	agctaccagt	gtcctcctca	cccttgacaa	caacgtggtg	aatggttcca
49381	gccctgccat	ccgcactaac	tacattggcc	acaagacaaa	ggacttgcaa	gccatctgcg
49441	gcatctcctg	tgatgagctg	tccagcatgg	tccctggaact	caggggctcg	cgcaccattg
49501	tgaccacgct	gcaggacagc	atccgcaaag	tggtcagtgg	cctctgcacc	cagcccggtta
49561	gcatgaaccc	tggaagggtt	atcgcagatg	gtcccaaagt	actgaaaatg	cggggggaca
49621	ctaatagat	tctctcccat	ttagactgaa	gagaacaaag	agttggccaa	tgagctgagg
49681	cggcctcccc	tatgctatca	caacggagtt	cagtacagaa	ataacgagga	atggactggt
49741	gatagctgca	ctgtagtgca	ctgtcaggta	agggaccttc	accagccaga	ataacgaatcg
49801	acggctttttg	tttgaacctt	catctttggg	gaaataccct	aatcgccaca	gagattcttt
49861	ttatgttcca	tgccctgata	acaaagtgtt	ttttttttct	ttaagatgca	attatggcat
49921	ctataagttc	ttcttttaaac	tctcagatgg	tttatcaaag	tattaattat	acccaggtct
49981	aagtatctaa	gagaatgaat	ctactaagac	atctgaataa	tttacctacc	ttagttcaaa
50041	gactaagtgt	tgaatgtcag	gtaaataaaa	cctgggttga	acattcattt	ttttttccca
50101	acccctgattt	atattcagct	ttggcatagg	ttcttttagt	acagtagcaa	ttgtttttca
50161	aatcacttag	tctgacactg	ttaggatgtt	actgtctgct	ttgctcagat	ggcactgcca
50221	gggtgtgtgat	tcactctagc	atccccgcct	gccagtggcc	agtgaagttg	gaggttcacc
50281	tggtcttatct	attaatagca	aagtatttga	atttgcttaa	atacaaatca	cagatgactg
50341	gctgtgggaa	ccaacttcat	taaattccct	ttcttttcca	atataaagac	agatcacaga
50401	tctatagatg	aggaaaaagt	gcttatagat	cttcttctct	ccccccaaac	acataatata
50461	aaaatgtaaa	agtcctggct	gaattttctg	agtttgattt	cagacataga	tttgacccat
50521	gatgttttgt	ggttcctctg	ctataaattc	tttgactgtg	aacttccacc	cttgactaag
50581	tagcaattaa	aaagaacttt	ccaaggaatg	gagtgcacag	taaaactagca	ctagaactgt
50641	ctctacgata	gtggtggctg	caaatatgac	agagacagat	ctatgaaaat	cattccacta
50701	gagcattgac	agccctgacc	atgttttggc	ttgtaaagga	aatgttacag	gatgtagact
50761	tctgtatgca	acatgtctag	cagcctgttc	ccctctcact	ctcttgccct	gcagaactca
50821	gttaccatct	gcaaaaagg	gtcctgcccc	atcatgccct	gctccaatgc	cacagttcct
50881	gatggagaat	gctgtctctg	ctgttggcgt	aagtttctca	aatggcatag	ctattcttca
50941	gtgactaggt	cagttctaca	tacatcctag	acagccgagc	acaacactgg	aacccacccc
51001	ccatctccat	catgtctcca	ttcagtttct	tgctgcagca	gctgggtaac	tgacagctta
51061	tctgctgtac	agagccaaaa	ctccattatg	agtacatcgt	aattacccat	ctggattgca
51121	gtaatggcag	tgaagatctt	ggatatagctc	attaattctg	attttttgct	ttgaggaaaa
51181	gagatgaaga	cgtggcgagca	acagctctaa	gttgactgct	tttagaattt	gaccttagtg
51241	gcacagagtt	aagaaaaatc	tgtcaccag	agatattgac	aggcttactg	tgtaagcatt
51301	ggcctgatcg	ggcctggaag	ttttgcccc	ttcatctgta	gggataagag	ggcctaagag
51361	aatagcagca	atctgagctc	tagagcacca	aaagaaataa	ggcacgatat	cgttccatgg
51421	cacgttatcc	ctggcttttg	ttaccagtaa	aatgaatgac	tttgctgaga	caatacttag
51481	tgtagcaggt	acaagttata	aaagtgattc	attacaacta	agataaggaa	gaaaacagga
51541	taaacagcag	tgcccttcac	acacacagaa	acacacatgc	acacacacac	aaacacaccc
51601	ttgtcacagc	tcagaataac	caattccatc	cagggatcat	attagcgata	ttggcactgt
51661	aatggctcgtt	tttacattta	ttttctgttc	cgcattcact	taacatgtgc	gttaaaagga
51721	acaaagctag	ctggaggtag	caaagttttg	aacttgaatc	agggattgct	aagaaaactt
51781	acaactaatg	accacagaaa	gtaagttctt	tgtcttctgt	ctgatacagc	tagatgtgat

# FIGURE 1 (continued)

51841 tgtagccgtg gtgcctgggc agatggtaaa caaacatgct gtcctcttat gacaatatgt  
 51901 gcagagaagg ccccaaacgc tgggggtgaga ggaacaacaa actgactaac tcacggccga  
 51961 gttggagcca gaaccaacaa cagctcggct gccttcacac tcactctgtca aacacatggt  
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 52321 ttgtgccggc tcatattatg ttctagagag ctcatgtaca ccatggtgac catagttaat  
 52381 aatactggat tgtatgctta aaatttgcta agagagtaga tcttaagtca tcacaaaaaa  
 52441 aagtaactgt aagatgatgg agatgtgtta attagcttga cggtggtaat cacaatatat  
 52501 gtgtatatca aaacatcaca ttatacacct taaatgtata taatatttgt caattatacc  
 52561 tcagttaaagc caaaaagaaa taaatatatt gcttttcacc ctctggcaag tggaggggcc  
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 52861 gagatgtaag catcttagcc tctcagggac gtggagaact gacctgtcct tgttgcgtc  
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 54841 cgtgattaga aaatccatgg taaatcctgc aggggaaaaa cagtcttcca tatttaaaaa  
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 54961 tcaagaaaaa taaacataaa gcaaagtttg cttatagcct caggagaaat ggggagggac  
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# FIGURE 1 (continued)

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55081 gattcttgtt tccatgatat ctgaggattc tcaaaagctc tgtgtaacag cagcatggtg
55141 taccctcagg tgtgcaagcc ccgtaacccc tgcacggatg ggaccacga ctgcaacaag
55201 aacgccaagt gcaactacct gggccactat agcgaccca tgtaccgctg cgagtgaag
55261 cctggctacg ctggcaatgg catcatctgc ggggaggaca cagacctgga tggctggccc
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55381 cctttgtgtg cctccagaaa gagggcccat caccttatca aaacacaggc taaggaattt
55441 taaatactta aagtttggac atgaaactga aagattaaat ctcccaaagg gagaggggca
55501 ctaattccta ttaaaattaa atcacttggg gccaaaaaca tgaacagggc tagctctttt
55561 tgggcaactg tgttccatag tcaactcttc tgtccaaaaa aaagttcagt actctatcca
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55681 attctgtatg tatatcccc aagaaaagtt ttattttctt gtcttcccat aaaaaaata
55741 tgctgttact gagccaaatt ctgttctttt tctatttggg attccaggta cactccctcg
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55861 gatatttggc ccaaccttcc caactcaggg caggaagact atgacaagga tgggaattggg
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58081 gatggcattc ctgatgacaa ggacaactgc agactcgtgc ccaatcccga ccagaaggac
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58201 attgaagaaa tgaaccaag gctcaaagca tttgacagga tgaagggacc aaatgccaac
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# FIGURE 1 (continued)

58321 gaactcttgc ttttttgacc tcaggcgatg gtcgaggtga tgccctgcaaa gatgattttg  
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 58441 ccgatttccg ccgattccag atgattcctc tggaccccaa agggacatcc caaaatgacc  
 58501 ctaactgggt tgtacgccat cagggttaaag aactcgtcca gactgtcaac tgtgatcctg  
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 58621 aaaacaaata taaaacctgg cagttgtacc tatccctgtg ggtgctgagg atgtctagga  
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 58921 tggggccttt ctgtgaaagt tgtaaactcc accacagggc ctggcgagca cctgcggaac  
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# FIGURE 1 (continued)

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# FIGURE 1 (continued)

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64801 gaaataat ttt tactctgtgt ttctttctgt ctccctcttc cctccctctt ttcttctcta
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64921 acatcaaata ccagaaaagc atagatttag aaagctgaac tctcttgaaa cgctgacgga
64981 caactctggc cctctctctc cccacaacaa attctcacc atatcacctt tgccctctga
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65161 ttatacgtag cacattgaca tcagcatgaa caattgctat tttaaatgaa caaatagtaa
65221 actgaaatag tgtctggaaa aagaaactgc ctatcaatac ctctgaaaat agtagctata
65281 gaattcctca ttttaaaaag tcaaggaaat tccatataaa caatcattaa tgttattcag
65341 tatcagtggg tgaacatgtg ccagcaaaaa caatgttatg tatacatcac tcaaatttta
65401 ttaaaggcag cacaatagcc cgctcatttt ttgattcaga aataaactgg acttccaatt
65461 ctaatgccaa ctcatcttat ggaatgtcaa cacaaaattt tctcatgaat ctaagttact
65521 gacttgtaac taaaccatct ctcttcaaat agtaccgcag actgtctttt aaagtagctc
65581 atctttatct gatgcaatct aaaaggccca aactctgaaa gaaaataaga aactattgtt
65641 aactattatt acaaaagtaa tatatcaaat aattcactca aactcctact taagaaacgt
65701 gtcataccca ataagatagt aaaggctctt ctaatatgtc tttgttgaga caattcattt
65761 catcttatgg caggttgtag cagtttcaca gacatgagac aagtgggaag aaggaaaagc
65821 agggccacag caaaaattcc cagtgccac catgatctgt ctgaatcaca gtagagggtga
65881 aacatacaaa attgaataca ggacaatcac agcacttcaa cgagttttac cctaaccagt
65941 atacattaaa atgttggttt ttataatgaa tctaataact gtaagattag caataaattt
66001 ataaacaatg gtcccagaaa ttttaatgag caaaaaccac tgaacaatta caccccaagt
66061 ctcaaaaata tcaaggaaat ataatccaca aagagcgact ccaaatgtca aaatcaataa
66121 agaatagtct ctgcagtgc aattcattga tcaaataatt caataagaaa ttttaatttaa
66181 cttcattacc aactttctga aaagcacacc cagcaagtcc ttgattaggg ttctttacat
66241 tcttctgctg catctttagt ctctgctca tctgcacata aaaacaataa ccacagttat
66301 tagagattca gaaatgtatg cataattaag aaaaacaact cagcctataa aatattaaat
66361 ccttttacac atgaggcaat aatcacactc tcatttaata cttactgaac agtcaccacg
66421 agctgcagac aaagtttacg agaaaaatag aaagatcagg gcgcctactc tcattgagct
66481 tacagctcag ggagaacact acagggtttt gagctaaaaat gattatggat gtggagacac
66541 acacagaagt taatattttg ctttctacta agtttctggg aagtacagtg agaccaaaag
66601 taaatgttat atgtagaata gataagagct gatgcctttt catttcttga agtgagaaaa
66661 aaaattgtga cattaacaga aaaggaatgg aaatatttt ctacccttgg tgagaaggtt
66721 atcagaaaat gcagaattga caatagaact aaatttttaa aagacaaaga gaaacaggag
66781 aaactggaac cttcatgcac gactggcagg aatggaaaat ggtgcagtag ctttagaaac
66841 agtctggcag ttcttgagaa ggttaccata gacctggcaa ttccacttct aggtataagc
66901 ccaagagaaa tgaaagcata catccataca aaaacttgta cacaagcgtt catatcaaca
66961 ttatatgtaa tagccaaaaa gtggaaacaa ccaaatgtc catcaaatga tgaatggata
67021 agcaaaatgt gatatatcca tataattgag acttattcaa caatagaaaa gagtggagta
67081 tggatacatg ctacaacatg gatgaatctt gaagacataa tgtaagaagc cagtcacaaa
67141 aggccatatg ccgtatgatt ccatttatat gaaatgttca gactaggcaa attcacagag
67201 acagaaaagac tggatgattg ctagggctgg ggttggggaa aatgggaagt gattactaat
67261 acccaaatg ttgcgttgtc gggggtggaa aaaataaaaa attgatagtg gtgatggagg
67321 tacaactctg taaatatact acaaaccaatt gaattgcaca cttttaatgg gatgaattgt
67381 aggaagctgg tgaacagtgg ctcccaaaaa ctcacatcct catcctgca acctgtgaaa
67441 ggggtctttc tagatgcaat taaattaagc ttctcgagat aagaagatca tcttgattc
67501 tctgggtggg ccttatattc aataagaagt gttgtttatc aaaaaagaca gaggagatt
67561 aacacacaca gatggaggga ggcaatgtga agacggaggc agagactgga gtgacgtggc
67621 cacaaagcca ggaatgccca tagccaggag aagctggaag aagcatggaa gcgttctagc
67681 gttctctcct agggcctcca ggtggcgtgt gccttgggtg acaccttgat ttcaaccttc
67741 tggcctccaa aactgtgaga gaataaattt ctgtcatggg aagttgttgt gacaaccata
67801 ggaaactaat acaaatatat gaattatatc tcaataaagt tcttattaaa aaaagactca
67861 accttgtaat gaagggcaga tgacttgtag tttcagagca aagtgataaa tgtagtggtg
67921 ctgtcaacac atggagaaga aatattaaac aggatgtaga ggcaggtggg atgaatgaaa
67981 agtggatcac aataccccca tgcattgaggt gggagatgat gggacataat tccacgcctt

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# FIGURE 1 (continued)

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68041 cgtaagtget attctctcac tatggagtgt tctttttgcc caccagcaa ataaccattc
68101 atccttggag gcacaactta aatgccacct cccatccctc tatagtgttg tctatgtact
68161 ttgtcctgaa gctcttacta tgtttgtccc accctactgt aattaagtgt ctgtctttag
68221 gcacttaaaa attttcatca atagaactag attgagtaac aaaaaatttt tcatcaatat
68281 acctagaaca acggtcctca actgggggaa attttgcccc caaagaacat tttttgcaat
68341 gtctggagac atgtttgtct gtcataactg cagaggacac tactgacatc aagtcagtaa
68401 aagccaggga ttccattaaa caccgacaa tgcacaagac agcccttcaa atgtccaact
68461 caaaatgcta acagtgtctga ggtgaaaaac tcttggaact tagaaaagca tctaatacac
68521 aggagaatct catgaaatgt ttgtggggta aatcgatgaa tgaatggatg gcagatggat
68581 gatgaatgaa tagcatggag ccttgggggt ttaaagcatg gctgcacagc agaatcacc
68641 agaccctgat ctacagaaact gacttaaatg actgctgcca gaaccacccc ctagaatttg
68701 acttaattca tctgggatgg aaccaagctg ctaatctgtt ttaaattctc ccaggtgatt
68761 ctaacatgca gccagaggta agaggcagca ctggctaagg aacagactca gtatagctta
68821 aatgccaggc cggctcaagg cagacggaag tagagagact gggcaatcaa aagtatgcaa
68881 agcatagata gtccatact gggtatatgt gtctccaaac aaaatattaa cgaagaaaga
68941 gtatagaact caaggagggt tcccagggca tgcttgcctc aagaggaagg ttgccccaaa
69001 gaatgacaag atggatggct ggagagatca caagacaatg tggatgcagc agtatcttcg
69061 ttaaaaagaa atttaagaag aaaaaagcag acattcagca gatgggaaaa aaggtacttt
69121 ctgtacatta ttttcactac caccatttat ttttgataat cctaagtag aagtaagtag
69181 taaaccattt agtccggagc ttctcactct gtaacatgca cacaaatcac ctgcggggta
69241 tcttaaaatt caggctctga ttcagtaggt ctgcagtggg cctggcactc tacatttctt
69301 tttgttgttg ttgttgccca ggctggagtg caatgtcatg atctcagttc accgcaacct
69361 ccacctccc agttcaagcg attctcctgc ctacagctcc caagtagctg ggattatagg
69421 catgcaccac catacccggc taattttgta tttttagtag agatgggggt tctcctgtgt
69481 ggttaggctt gtctcaaact cccaacctct ggtgatctgc ccgctgggc ctcccaaagt
69541 gctgggatta caggcgtgag ccacagtgcc cggctgagac tctacatttc taacaagctt
69601 ccagttgatg ctgacaccac tagtccatag acctagttta cagtcacaat agcggatctt
69661 cagtaacttt ttactttacc caatttgaat gaagcaacag aaccagaagt ttccaataac
69721 tgataaagtg ataaggacat tacaattaaa tatcaaaact ctcaagcatg cctttgttca
69781 ttttatactg ctaaaatgat agagaaaatg atcaacagca aatatttata tgaaaagtct
69841 acctcaagaa gaattaaaga aaattagttg aaagtaaatt gaagatgtaa attaaacaaa
69901 tataaactta ctatacacta aggttttata ttaaaaaatg aattcacatt agaaatttct
69961 aatatggcat ctctgatatt ttgaccaa atactctgga agagcattgg tttgactaga
70021 caaagggagg ttaagtcact aagggcattg agaagcaac gtgtagcctt ggaaaagtaa
70081 ttttaacaaat agtaactatg aggtctgaag gcacaccctg tttgagacaa acagaaaaat
70141 attaaggcaa tgatgagtta aggacttccc taagagcaat ccaaaatatt ttaattggaa
70201 aagatcagct aatagggtca ctgtttctag aatctcaccc ctctcctgca aaccagtaag
70261 actatactat aacaaagaaa attttctcaa acaatctagt tcccttgaac ctgttcaggt
70321 ggtatgacta aggacatata ccaacacaca ccacttcaa accactgcaa cacccttacc
70381 aaaagtcaat ctgcccggca ccaggcctca tccagcaagt tacaatcaat gggcaaaatt
70441 tcagcctcaa gtatatccag attatatagt cgtcattatt agtagaactt tttttttatc
70501 tgaggatccc aataagataa catacttagc tttctttcat ctaaaactgaa atctatagtt
70561 ctcaagtgtt cacagtgaaa tcctgtccct agcattaatt tagcagcctg gacattccat
70621 cccaggaact ctgatttcag caagtctgga taggtccttg gacacagcta gaaaacaaac
70681 aagcaaaaaa ctccccagat gatcttgata ctactgtgg ttaggaataa tgctctgcag
70741 tttgtaacac ggcttctcaa actttattgc cgggaagtat caccagggat cttattaaaa
70801 tgaaaaattct catgccttag gttgtgggtg ggcccttagg ggccctgcat ctctaacaag
70861 ctcccagtggt ttggattgca ctacaagcag aggagactta caacatggaa tggaaattca
70921 atgtctccaa aggaccaagc ccatgaagta gagagggcta ggtgggggct gtgtcctctt
70981 ggagaataca catgccttct aaggggagca tctgctactc agctcccvg ggtgggtgga
71041 gaacttgctg atttgtcaga aatgtcagaa atctagcctt ttatggaaaa atctcctgac
71101 aatgttcaat gttaaacgcc atgtaagcca accaagtcca gtcccagagc taatcatttt
71161 atttgaatgt tctcatttga tctcatttac aacctacag ggtattaagc catcttatat
71221 gatagacaag gaaaccaagg tgtagaggag agagagagaa attaactaac ttacctaaaga

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# FIGURE 1 (continued)

71281	tctccatcta	gcagcagagc	aaggattcaa	accaggtct	tccctaccca	gaacccatgt
71341	tcctaaccac	taggccactt	cccactgggtg	ggtggtaggc	cacctccct	ctgctaattct
71401	aggttctagc	ttgggattct	gctacttact	tggactccct	taatttggtc	ctttgagtaa
71461	ctaattctgct	ctttggtttt	atgttcacag	tttcaattta	gagtgaccaa	ccattccagt
71521	ttgctagaga	ctgaggattt	cctggaacat	ggaacattca	atggtaaaac	caggacactt
71581	ctgagcaatc	caagacagtt	ggccactata	gttttcattt	aggggtatta	ttttaaaaag
71641	aaaacaaaac	ttacatgact	cttggttgc	ttactatagg	cttttaaact	gacacacaat
71701	tgtacatatc	tatgggatac	acagtgat	tttaatacat	acaatgtcta	gtggtcaaat
71761	caggtaaatt	gcatacccat	cacctcattt	atcaattctc	tgtgttaaga	acattcaaaa
71821	ccttctcttc	tagctatctg	aaaatatata	ttattgttga	ctatagtcac	cctacagtgc
71881	tatagactat	tagaacttat	tcttcctata	aagctataat	tttgtatcct	ttaaccaata
71941	actccctatc	ccttccctcc	tgctaactta	tacaattttt	caagaatact	gttcaactca
72001	caggccaac	gagaaattcc	actttgtttt	tcttaaagaa	ttagtgcagt	tctgtcccca
72061	ttttttactg	cacaactgat	tttgtgtccg	tttttgccct	attttactat	gtttgttatt
72121	tgctaatacc	atgttcatct	ttatttttatg	aatttctggt	aataattagc	tcaaattgctt
72181	agtaggaagg	gagaatacta	tacaagcata	ggtggctttt	gctttgatta	cctagaaagc
72241	aactcagtat	tagataattt	gattaaatac	tagactaact	cacagacctg	atcctttttg
72301	cttcggaagt	gccagtacat	tcaggattgt	ctctgagggt	aagtgtgacc	tgacaacact
72361	taatccccac	tctcctcatg	ctcccacaag	gaggaacttg	cagtgggaagc	atcctggcct
72421	cacttcacac	cctccacact	gtccgtggga	agctaagttt	gggagatgaa	atggcatgct
72481	cagctcagcc	cctgcctcct	caggagtcag	cacctgctc	ccacctgacc	ctgctcccca
72541	aggctccatg	cttcgctcct	ccacctatt	ggttttacat	ggacaggtct	ccacagatga
72601	tgccctgagat	tttccatctc	tgccagtgac	tgggtgagta	cgtttatttt	aaaggcatag
72661	cattggaagc	ctgtctggct	gcccacccgg	atcatgacaa	tccctctacat	ttcattagca
72721	ataaagcgaa	cctccttgat	ctccatttgt	cagaatctat	ctctctctca	gtcggttctg
72781	acctgggtgg	ggaagagaag	agtgttagtt	atgtgtcccg	taaaacccca	gtaactagt
72841	agtacaatgc	tgaatttact	gaaccttgta	ttcaaaaatt	caaataatac	tggttaccat
72901	gaagcttaaa	gcacaaacat	tgataatgtg	tttcacattg	aaaattttta	atacaactga
72961	taggcaaatc	cttatttttc	aataaccacca	tttaaattgg	tcttcaaggt	caactgagttt
73021	ggttttagtt	ttgaagcctt	atctgactct	gcctttttaga	agcacaaattg	aatatgttg
73081	aacagacctc	agcacatcaa	ggaaaagaca	actacgtatc	agtaatactt	gctattgaaa
73141	gagaaaacaa	taaatggctt	ttcttatttt	cttctgtct	gcttccagaa	atctaattccg
73201	aatcacactc	ttgtgtatct	atttcttgag	aaggaggtag	aacagaaatg	taacagccaa
73261	acacgcagca	actcctcatt	agttatgtct	tcaaagggct	ttttgtcaag	aaaactgaca
73321	cagcattcag	ttttgatgca	cacttttgta	gaaagcacat	aatggacaat	ttagtatttt
73381	agaataaaaat	tgatcagcaa	gctattttta	taattataaa	taatgaggtt	agtaaaactc
73441	caacttcaga	tattctaaaca	tgctcaaagt	aataatgtaa	gacctattcc	ttagagctta
73501	ttatgtaata	aacagaaaagt	aaaatatggt	tcacatatcc	acacctaaaga	caccttaatc
73561	atagtcacag	ggttaattgt	tataattgca	tattaacatt	atctggtata	atcagagcca
73621	tgttctatgt	ctccatagct	tctttccatt	aagtcacatt	aagttccaat	tcattccatc
73681	ttgtcatgct	ctacccagt	acagatatgc	atcagtgtga	ctcatgttca	cataaaaaata
73741	aagtcataatc	ttagcaaat	acttttctaa	acccccctat	atatggactc	catgggaatg
73801	agatcccata	cacaagaaat	gattgcatcc	aattttgtaa	gtttgatttc	agaagtcaga
73861	ggagattcag	atactttcta	ataaaaacac	tttatccaaa	aagaaggaca	atatactca
73921	atttcagagt	agaacaaagt	tttcacagtt	catttattaa	atgaagatct	ttggtgtgaa
73981	gaaagcaaac	cacacccatc	taactgaatt	gcatttgtaa	gtgaactctg	ctgctaataa
74041	aaaacattac	agctggaagt	tctactcagg	aagatggcag	aatgggtggt	gctcagctcc
74101	cataccccca	acaaaaatcc	aaccaactat	ttacagacaa	gaatatcttc	attaatactc
74161	ctgaactccc	tgaacgtgaa	aagctgagac	accccccttg	accacataac	tgaaaaaagc
74221	ctcattcaag	gggtaagtgg	aatagaggaa	tggtttcact	ttgaccacat	cacctccc
74281	ccaaacccctg	ccacacctca	agccagcaca	gcaccacaca	cagaagattc	ccctgggccc
74341	agagtttcta	cagtgggaaa	agagagaggc	aaacattcag	cttccccaac	attctggggac
74401	cctgagcagg	aagccactc	attattatct	cccgggaaac	actgggagta	caggcagggc
74461	tagaccacct	aggatcagcc	agaaacaaag	aacaaaagt	agactcacag	aaacgagcac

# FIGURE 1 (continued)

74521	atggatcttg	cagtggctct	gcattctagc	caatggaggc	actccaccag	agaaactggc
74581	caacagcatt	agcactgtcc	tgcaggaagt	atagtcaact	gatctgccag	gcttcattcc
74641	ctagccagct	tccccaccta	gctctgggtg	tctccttaag	ccttccccag	gccaggcagc
74701	aagggcaggt	cagtgattac	ctaaggaggg	tagcaacggg	ccccacccaa	ccccagcagc
74761	caactagcct	aaccctacca	agccttcctg	ttctgcttaa	ggcttgccag	gctaggaggc
74821	aagtgcaggt	caatgaatga	atatctatgg	acaaaagtac	ctggccccac	ccaaccccag
74881	cagctgcatg	gtgacccac	aaagcctcag	tgctttgctt	aaggcttccc	tgagggaagc
74941	ctgcatccat	gtgtttctct	agacgatagc	ctggcccatc	ctgaatgggt	gagcacaaca
75001	gcagaaacct	caccagctcg	ctgagcccag	cacacagacc	tgcccagcta	cagattaaaa
75061	acagcagtac	ttcccagcca	gggaaaacaa	catgcaaccc	tgtgcaatca	gaggctatta
75121	cagagcccag	ccagtagctc	caccttaact	gtggagtcca	gctagtgate	tgtctcatca
75181	gaccacagag	cacagccaga	agttccactt	gacctcaaag	aacagccagc	aggctggccc
75241	aacagcaaca	ccaacagcaa	ggtgtacctg	tctgggggtg	ttaccagctg	gcctatccat
75301	aatcaaatgc	taaaactaact	agtgaagggtc	taccactgtg	aaagaaaacc	ttcaaggcca
75361	aaagaggtgg	ccatttctct	aaatgtgtag	acaacaaggt	ttagaaagaa	tcagggaagt
75421	gtgacacaac	aaaaagaaac	taataaagcc	ccaataatgg	accctgaaaa	aaatgtagag
75481	ctatgaaaaa	agaatgaaga	aagcctacat	aaatctatgg	gacaccatca	agaaaactaa
75541	ctttcttata	ataaaattct	aagaaagata	tgataaagaa	aaaggcccag	aaaatatatt
75601	taagaaaata	tggtgaaag	tttccaaaat	ttgtggaaat	atgacaacat	ccaggtatag
75661	aaagctcaga	gatctccaat	taaattcaag	ccaaagatga	gtgcaccaag	acaaatcata
75721	atcaaactat	taaaaaacaa	agacggctag	gogcagtggc	tcatgcctgt	aatcccagca
75781	ctttgggagg	tcgagggcgg	cagatcacga	tgtcagcctg	gccaatatgg	tgaaccccca
75841	tctctgctaa	aaatacaaaa	at ttgtctggg	catgggtggg	cgtgcctgca	gtctcagcta
75901	ctcaggaggc	tgaggcagga	gaatcgcttg	aaccaggag	gcagaggctg	cagttagcca
75961	ggatcatgcc	actgcagtct	agtctgggtg	acagagcaag	actctgcctt	aaaataaaat
76021	taaattaaaa	ttaaaataaa	acaaagacaa	agaatcctga	aagcagtaag	agatcaggaa
76081	tgtataatat	tcaagggagt	cccaaacacag	caaccagcag	at ttctcagc	agaatccctg
76141	caagccataa	aaggggtggga	taatataatc	aaagtgtaga	agaaaaacaa	aactggcaac
76201	caagaataact	taactcagca	aagctattcc	tcagaaataa	gggataaata	aaaactttcc
76261	caaacaaaca	aaaactaagt	aagtttatca	ccactaggcc	tgccaaacag	gaaatgctaa
76321	agggagctaa	gctgaaataa	aaggctccta	attgatacat	aaaacttata	aaagcaaaaa
76381	gcactaaatg	gtgtaagtaa	gacatagtea	tattcagaat	aatactgtaa	ggatgatgtg
76441	taaaggaatt	ttctctgtat	tatgagagtt	aaaaaacaaa	actattaaaa	acaaatgcag
76501	ctataataaa	ttgttaaagg	aatccaaatt	acaaaaagat	gtaaaattta	catctaaatc
76561	ataaaaagttg	tgggggggag	ggcgttaaag	tattgagatt	ttatatgtga	taaaagttat
76621	cagcttaaaa	tagcctgtta	taataagata	ttttgttggt	gttttttttt	at ttttttaag
76681	gagatggagt	cttgctatat	tgcccaggca	gggctcaaac	tccttggctg	aagtgatctt
76741	cccacttcat	ccttccaagt	agatgggact	acagggtatg	acaaccatgc	ccagcctgta
76801	caagatgttt	tatataaacc	tgatggtaaa	cacaaataaa	aacctgtaat	agttgcacaa
76861	aatataaaag	gaaaagattc	aaagcatacc	atcacagaaa	attatcaaac	cacaaaggaa
76921	agtagcaaga	gaggaagaaa	gaaacaacag	ctctacaaaa	caaccagaag	caaattacaa
76981	aatggcagta	gcatgtcctt	acctatcagc	aattaccttg	aatgtaaatg	gattaaagtc
77041	gctagtcaaa	acacatagag	tggctgtaatg	ggttgaaaaa	atagtaataa	aaggccaact
77101	atatgctacc	tgtgagagac	tcactttact	agtaagaaaa	tacatggaca	aagttagggg
77161	atggaaaagt	tactccatgc	aaatgaaaac	caaaagagag	cagggggttag	ctatacttat
77221	atcagacaaa	atagacttta	agtcaaaaagc	tacacaaaga	gacaaagaag	gtcattatat
77281	aatgataaag	ggatcatttc	attaagagga	cataattgta	aacatataca	cacccaacac
77341	tggaacacct	aaatacataa	agcaattatt	acatgatctg	agagatagac	tgcaatagta
77401	taagagtagg	ggacctcaat	acccccacttt	caatgatgaa	gagatcatct	agacagaaaa
77461	tcaataagaa	aacattggac	ttgaattaca	ctttaaatca	aatggacctc	acattcatat
77521	acaaaacatc	acaccctaca	gcaagaaaat	acacattctt	ctcaagcaca	catgggacat
77581	tctccaggat	aggccacaaa	acaagtctta	atgaactcaa	gaggatttta	atcatatcaa
77641	gtatcttttc	tgatcacagt	ggcatgaaac	tagaaatcta	taacaagaaa	tcttggtgaa
77701	ttcacaaata	tgtggaaatt	aaacaacatg	ctcctaaaca	aacaataggt	cagagggggg





## FIGURE 1 (continued)

81001	ggtgggcaga	tcaagaggtg	agatcaagac	catcctggct	aacacagtga	aactccatct
81061	ctactaaaaa	tacaaaaaaa	aaaaaaaaaa	gtcaaactca	tggaaagtga	gagtagaatg
81121	gcagttacca	gtggctgggg	gatgaagagg	gggaaaaagg	gaatggagag	ttgttggcta
81181	aagggtacca	gttttcactt	aggaagaata	aattttgaga	tgaattgcac	agcagggtaa
81241	ctacagtcac	taatcacata	ttgtatgttt	caaaataact	aagagtaaata	ttcaagtgtc
81301	ttaccacaaa	aaaatggtaa	gtgaggtgat	agataatgta	aattagctta	atttactcat
81361	ctcacattgt	atacatatcat	caaatcatca	tactttaccc	cacaaatgta	tataattatg
81421	ccaatctaaa	aaatattaat	ttaaaaatta	cagcttgcca	aatttcatgt	aagaaacaaa
81481	aaatccaaat	atttatatat	aatgtgtgac	ttacataaatt	cttaagcaac	attacactact
81541	ttcattggta	atgtaaagaa	taaatgtgaa	ccatatttttc	agtgttttat	tctaaaactg
81601	gttatacat	taaattcttt	tattttattaa	acaggcactt	ggcttaaggc	agcacttttag
81661	acaccatgga	aaatgtaaca	atgaattgca	agatagagtc	tctgttttta	aaaatgttat
81721	gcagttttaa	ggaagagaag	gtgagtgtgt	atgtgatcct	ataggaaacc	aaagtgtctg
81781	gacattcaca	gaagacagaa	aacttaacag	aggggaccag	ggaaggctac	aatcagagag
81841	gataaggttg	gaattcaaat	accattgaag	gggtacctga	acatttctgg	gaagaagagg
81901	gcctgaacaa	cagcagaagc	taggaaatca	ccgaaatcat	tagaccagat	tagctacaca
81961	ctgaataaca	tttaggtgac	tacttagaga	ttgattagga	aaagaacttc	aggtcagatc
82021	atggagacac	tgaacaagtt	aaggaattct	gattttgatc	aacaggcatt	ggagagccat
82081	agaaggaagt	gtggttatca	aagctgtgct	ttaaggaaat	tcgttttagt	gttgtcaaca
82141	atggtaggaa	gagaagagag	acttgaggca	gggaggtctg	ggagaagggt	tatggcattg
82201	gtccagttga	agttgttaga	agagaaagga	agggatgggc	atgagagaca	ccgcaggaat
82261	agaacaaaca	acacctgaac	actggaagt	ggaagcaaga	aagagaagta	attcagtgat
82321	gactcagatt	ttgctcctgg	gtgactaagg	aaatggaagt	caaaaccgaa	atctgactca
82381	gttcagagtt	aatggattat	agatttaata	aggaatagat	taatagatag	aaatgtaata
82441	gccaatatat	tttagagtaa	tctacaatat	aggtaaaaat	tgaatctatt	taaataagatt
82501	caccaattgt	tacacagatt	tctaaccata	ataattgaat	atttgtttgt	gtcgaaaact
82561	agttattgtt	gtatcctgta	ccatgaccat	tgcaagatga	aacactagat	cgtgacgaaa
82621	cacctgagaa	cataggagtg	gctcaggaga	ggaggtttgc	atacagaaac	taataataacc
82681	acaatgagtt	acaagtttta	cattttaaat	tcattcctta	gaacaaat	tcactactaa
82741	agtttgaaaa	tactaaagtt	tgaagttgaa	atactaagca	aatctattca	aagtatttct
82801	ctccattcaa	actaatttct	cttttctgt	gaaaccaaca	ttattttctg	gatgacacaa
82861	ttaattacca	tcaagaataa	cgtatttcat	agagtactaa	cctcaacttt	gatttcataa
82921	gagcattggg	aaataggttt	tatgtttgca	tactcttatt	gacgctacct	gtgacttaca
82981	aacatacctt	cttaccgcac	tctaatttaa	accataatac	ctttatattg	aggtgctttt
83041	aagaattatt	taccaaaca	catgttcgcc	aagcctcacc	tgtatttgta	ttctctggag
83101	aactgagttt	cagatgtttg	tcttctgatg	aaaggctcac	actgatacca	tacagtggat
83161	catctaagaa	ggagggcctt	ttcagtcctc	caatgccaa	agtcttcgac	ataaaatagt
83221	cttttgtgtc	actaataata	acgtccttgg	aaaattgaag	gcatttcata	ttctctgctt
83281	cagtgaaca	agcttctgac	atgttatgtc	cagtcaaggc	tttagtgaga	tagtagcctt
83341	tagaagcttc	acattcttca	ctctcaagca	tatctgcac	ttctacctca	gttttctgga
83401	cctttgtttc	tgattcattt	agcaattttg	agatgatgga	cctggaaagc	tgggggaaca
83461	caggtgttac	gtctcfaat	tcttctttt	ttctttctga	agaaagttaa	atgatggatt
83521	tttgtttaag	tatgcattca	tccagaagac	actttaactg	ttcttcagag	agacatgatg
83581	tggactctaa	ctgatgaaac	aaaccaaag	attacatagt	cagttgactg	agtaaacaca
83641	tttatttttg	gtaggcatcc	agtaatacaa	atataaatgc	aagtaacccc	ttacacaaca
83701	cataaaaaata	gaaaaataat	tcattgtaaa	gtatccaaaa	ctgtagggga	aatgtcataa
83761	tcttggaaca	atctttgggt	ggtgtttctc	tgacccacc	catccctcag	catgaatccc
83821	accaccatcc	aattccttac	tgggaaaaaa	attggcatac	aaggcagact	accctacct
83881	ctggggattc	agcactccca	tgtctgtcca	caactatcag	tggacaatac	tgctgaagac
83941	agaaaaggaa	gggtgaagg	tgggtgcatcc	tgcaatgtgt	cgttgctgca	aagctacagg
84001	tctaggcaga	ggccaggggc	attccagagg	cgggtgattt	ggggagaatg	atttgatcat
84061	gcataacttaa	tctctgcttg	taaagggttac	caggggctaag	tgtttcaacc	aagaccttaa
84121	atatttaaaa	acattttttt	tctttcagca	atattctcag	gaaataaatt	tttaaaaatc
84181	aaatgaaagt	agagagccat	gtcccacaag	acttcagctg	aataccataa	catttgagtt

# FIGURE 1 (continued)

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84241 gcaacaatct caaaaaggaa tgagattaaa atatagtga acacactgaa aaaaaaatgt
84301 ctacttcccc aaaaaatcag tgtcttccat ggtttacatg tggattatct agggaaagac
84361 taatcctcct ttacaggggg atgaattatc tgagaacaag aagtccccat aagaaaactt
84421 aatcatgaat ttcaatgact ttaatttcta cttcagcaaa gtaaaataat gttattggcc
84481 tactctgaag gtacatagta aaaaataact aaatattctg catatgtaaa gtactgaaat
84541 aaaaagctat tactgatact agtatagtta attctccact attaggtaaa gcttctaattg
84601 caactaataa atactaatat gtaaaacaat tttgtgccat gtttaaaaaa tattgtttaa
84661 aattatgttt aacttaccta tattaaaact agtttttaca gtggcaagtg tcactatgag
84721 tatgaggata ataagaaatt gtctggaat atattcttag taattatttg gaattcaaaa
84781 ttcaggtgac tgaccctaag gttaatatat atgtcaagaa ataggatttg agatttggaa
84841 ttcgaaaattc aggtgactga ccctaaggtt aatatatatg gcaagaaata ggattagaat
84901 tatgtattag caaattctac ttttagtcac taggcatttc aggaatccag atatagtatt
84961 ttatccatct gtatccagaa tcaggagcat tatctccacc ctactatgga aacctagtca
85021 agtagaaaaat gaaggaagtc cttctatgac attagatacc taaaacacac tttcaaactt
85081 tgcttatgta aaattacata taatgtgtag acaattccct acgatttaga aagagcccg
85141 tgagtgtcat ccttaccaaa catcctcatc aaagccttat tatgatgaaa tttttagaca
85201 ctagaaaaaa aatcagtgca tattagagca ggaggaggtc tctagggaaa aaagggtagg
85261 agggaggatt ggtagattat ccaatatgct tgaccatttc caaaagtaat attgatatga
85321 tagatgtttg gcagttctga tgatgtattt ggctaaatac acagaaaatg aagcagaagg
85381 aaaatcaaag caattatgaa ctctggggaa aacaaaaagt tttacaaaaa aaaggaaaag
85441 cagtgcataa tacacagaaa attaggcaaa agaaactaag ataattatga agtctaggac
85501 aaacaaaaag ttacatgaga aaggatgcca taggctaata attgcttctg ctgtgaataa
85561 tatttacaca gtcaatgata atataaatat tgatgactaa ggtaagcaaa aattgtgact
85621 taactatttt ggggaaatgt gacgagaaac aaggggtgtt tgcactttat tagttaaatt
85681 attgcctacc attacagcaa cccaatatat aatgtctaaa actaatcaat taagaaagta
85741 agttattaat aaataatata gaggtaaaat taggaaaaac acaaaagatt taaaagcagt
85801 taactggaga aaatatcaag gggtagggaa ggctgaggca aggggctgcc atttttattt
85861 aaacattttt aacacaattt tttctttatt actataacaa aagttaaaat taaatataaa
85921 aataaaaagta atttaaatgt attctttttt ttttgacatg gagtcttctg ctgtcgcgca
85981 ggctggagtg cagtggcgca atcgtggctc actgcaacct ctgcttctg ggttcaagcg
86041 agtctcgtgt ctcagcctcc cggtagctg gaattatagg caccaccacc cacacctggc
86101 taatatatat atatatatat ttatattttt agtgagagaca gggttttacc atgttggtca
86161 ggctggtctt gaacttctga cctcaagtga tccaccacc tggcctccc aaattgttaa
86221 gattacaggc gtgagccacc atgccagcc caaatttttt aataaaaaatg cacttagaaa
86281 taaaatttaa aatattttaa tgaaattccc aggtgattgt atgtttggac atcagaagct
86341 gacccatgtt tcacagagcc agaaatttat ataacttga agcaagagaa gggcatttct
86401 taaaaaaaaa aaaaaaaaaa acaaaattac aaattcaaaa ttaggtacaa aagcgagttt
86461 cttttatttt agaattgtga aaagatcaca acaaattact ggggtcttgg ggagggttga
86521 gtccatttct tacagtatct ctttaggtca ttgaccagac gtgcttacag aaatgtttgc
86581 tgattgcaac ctggcttctt cttcccacc caaagctcct ataagtgaga ggccctgagc
86641 tgaatcttca ctggcttcat ggtaaattgc ttctgggcac tatgagataa aacattacac
86701 atttcagctt gtgtgtacac agaaataagc tggactacaa ttaccctgat cctcctgggg
86761 gaagcagctg gataggaaag aaaacacaga agactagaac ctgggcttct atccaagctt
86821 tgctgccttg agcatgtcac ctgagttctc aggggctcat ctctttatc tgtaaaaatga
86881 ggaacttttag aagataatct ctacattaaa ttctaactct aaaattgctt tttatgaaca
86941 actacactaa aaataaaaaa aaatttttaa ataaactttt ctactcactt tagagtgtag
87001 cctgggtaga gttatgaaaa caaaataata gcaaaaagag aacttttatt tatttagctc
87061 cttcacaata tcaatccoga actcttataa aataactaaa aattctctgg cctcaaaata
87121 taagtaagag caaatgaaat acattaagcc ctcaaattaa ttttaatttgc ttctgggtgc
87181 aatacagatt ggaaacttca acacgacca tctttctcat cttttgatcc ccagcagagt
87241 cttgccaca gtcaaagctc agtcaatgac tatcatgaga attgaatgat tagagtgtct
87301 aaaccatttt ttaaggcact atattgatat aatttattta caaatactga actgaactaa
87361 actagggtct catcacaac atccctaact gccctcaata gtttaaggaat catctaacc
87421 acagcctttt tccagattgc tctcaaaaat tctgagctaa taagcaccat aactgaacca

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# FIGURE 1 (continued)

87481	ctcactgtgc	aggcactgtc	aagtaaccat	ctgttcaagt	attcacctca	aagtattcat
87541	ctttcgtgcc	agctctaatt	tcccagtatt	ccataaacia	gttattatcc	atactattcc
87601	tatccttcat	aaaactcaac	atagtgcac	tcagtcctca	ttttccagg	ccagaaccca
87661	atctcttttc	actctgtata	tgaaagcccc	tctcttccca	ccttcatttt	agtagctctt
87721	ttatgaatct	tctttctcgt	ttcagccaat	acacacacat	ttcatagtaa	aagagtaaat
87781	ctattggatt	tttcatcagg	aaaagaatag	aatacacatg	cagttttagt	tctgctgcat
87841	cttgcatctg	gttggcacac	taggttatgt	cttacagaat	aataataaat	aggtagcatt
87901	cactaagcag	actagactct	gctctaggca	taatacatgt	attgattcct	ttatttttgc
87961	aataaaccta	ttaggtagaa	actattgtta	tttccacttt	gcagatgaag	aaactgaagc
88021	actaagaaat	gaagtaacct	ctccaagggt	atatagcttc	taaaccgtgg	acttgaaatt
88081	tgaatccagg	tagtctgggt	ccagaacct	agtgtctagc	cacatggcta	cactgccact
88141	cgctgtaaat	gagttctccc	tctaccaccc	tccaagtgtc	cttttcccaa	ctgctgctca
88201	ttttctgtc	cattctatca	gatacagaaa	ctctccccgc	agaacagttt	acttaacttg
88261	ggactttatt	gccagattg	gcttttgtgt	gtacgtttta	tgcaaatgta	cacagtgtat
88321	gttttatgca	aacatatata	gtgcctctct	ttttagctca	ttaaaaaaaa	aaaccagacc
88381	acagctccat	tcccaggata	cccactgttt	acacatctcc	accagataa	atgccagttt
88441	gatgtagaag	ctaaatttga	tgaggaaatg	aacttgtaat	tgctggagat	ggaacacaga
88501	ctgtggatta	cctcactctc	atccctgccc	cacctcctat	gctatatatc	cggagtttct
88561	ccagccataa	aaatctccag	tttaattgggc	aatggatttc	ttgacaaggc	aatcaagatt
88621	atgtccctgg	tgagataat	cagaaagtct	accattata	aaccagcaga	agcaatcttg
88681	tcctttgatg	taagcttact	tcgggtgttt	tttatttccc	ccaaacagca	ctcctaaaga
88741	cccacctat	gaaaccaata	ccattatcac	aagtgagaaa	aggggtgaaa	gctagaatgt
88801	tctaaatgat	taacaaggag	aatatggatg	tacacagatt	ttaatgacac	ctagttctac
88861	ttccaaataa	gcaactaaaa	aacattccac	cgtttgctta	atgacgaaga	tataagttta
88921	tagctctcta	ttgcaaccac	tactggcaac	acctccgtag	tagtctattt	tagtcaagggt
88981	tttttggtta	taaggaacag	aaacccttat	gtcaaaaaaa	gaggtggtag	gggtgaggtt
89041	tgctgtaaga	tcaaagaagt	catttcatgg	acaacgacaa	gcaggaaata	agagtataga
89101	ctggcctttc	agagtctaga	gctgagaaac	caccaggcac	cagtcattgt	ccccatctgt
89161	ctttctgggt	ccatgtcatc	tcttcaactc	ctgectgect	gatgcatect	cttctctgca
89221	aaccagcttt	ctctgcttat	tgatggtttc	tgctttctca	caacctcagc	ttgectatgt
89281	agcatgaact	gactctgtaa	gagtatcaca	cccaccaaca	actgactatg	tccttttagct
89341	ctctatatct	ttttgcttaa	attttcaagc	aagataacct	ggttggtcac	tggtccaggtt
89401	gatggactgc	ctgtgtcagg	ttcaagtgtc	caccactggt	ccaaacatct	gaactagagg
89461	tcacatggta	gaaacacaac	catccaagcc	caaggttttg	gcagggtctg	gggtgaaggtg
89521	atttcccaaa	caagaaggta	tcaacagaac	agggattcaa	aaatatcata	tttttgaaact
89581	ataattacta	tgaagtacgt	aaccatcaga	aggaacctgc	cacttaattt	agttctatag
89641	tcaactacaa	gattaatgat	ggaagtgttt	ccaaacttca	ctgatctcat	taaatctggg
89701	tactcactga	agagttattt	gagatataaa	tgtagaacta	gttgctcagaa	aatacctacc
89761	tgtgcataga	aaaataaagg	cactccagtt	aggctacaga	acagcactat	cgagtctgaa
89821	tgctcacaa	aggctcacat	cacttgctat	agctcttttg	gattaaacac	atctaaaaat
89881	caagggggaa	aaataattgg	tgttcatttt	aatgtctgta	tcaatggcgc	taaggattca
89941	taggagaaaa	gggcttggtt	ttccttccct	tcctagctcc	ttccctccct	ttccattct
90001	cccaccttcc	tctcttacac	tgaggctacc	ccaatcatat	aaaggcaagt	ccggcagggt
90061	gactgctctt	aagaagccaa	accaaggaca	aagggtcctg	ggggccaggg	acaatctggc
90121	atatttttca	ccagaatagt	cagaggctgt	ctggccagaa	gagaatctga	actctagtca
90181	aaaagggaagc	aaatatcatt	gccagagaaa	ctatgtaaac	caccatcaag	agtgaagggtt
90241	gaggcaaggc	tgtaaacagg	aaagttagtc	agctcccagg	tcagcagcca	ggaggctcag
90301	tggacagaa	aatactgagt	gtgaagtagg	tcacggcaaa	cagctctgaa	gcgaggctcat
90361	gaacgttgtg	gtgggtgtgg	aagccctttt	tatgtggggc	ctggcatggc	aaagtcaccg
90421	tgacagaatca	gacccccacc	atgectaggc	tacccatctt	ccccaaacag	ccgggtgagg
90481	cagggtctgc	cttatgggtt	tgccgtgtga	gaggctgctg	tgccctggg	cattctgtga
90541	tggctcgtct	cccgtggccc	aggtgcccgg	gctggctcca	tggttcaag	gatccaaagt
90601	ttctgtttct	atgtaccaga	atgagagagg	tgggtgtcca	gcgggacccc	agtgtgtaag
90661	ttagggatga	gcattggatc	agggagctag	aagcaggagg	taggattctc	aagtcctact

# FIGURE 1 (continued)

90721 atttgaaaaa gggctagaaa catggcttgc cggggacata agcagaaaag tgtggaggtg  
 90781 ctccggcagga gagccagact gtgcttttcta acagggtgac tttgctttct aacagggtga  
 90841 ctgggtgaaaa tggactctta tgttttcatt ttgtgggaca attaccattt gaggattgcc  
 90901 aacagtagct gttttctagc agtagagaca gcaagtccac ttggatcaga tgccctttgt  
 90961 tctgagcaag tcgccggaat ggccctgtta tcacatgtct atcacttctt tccccgaaa  
 91021 aagtctgggg cccagctcta cagctggagg gggcctggca cctctgcccc aaactcccag  
 91081 ctaaaaaagc ctggccagga gatgaggtgc acagatttgc ataaagagcc taaaaagggg  
 91141 cccttgattg agtagttctc atgctccgag ggaactggaa cctactccac ccctactcc  
 91201 gggaagtaga tccagtttgt tacttttagag cagctagctc ccactgcttg gcaagactgt  
 91261 ttattggcta ttattagtta tgagtatcat ttgcatgggt gaaggccttc tgtactctca  
 91321 gtttgatgat gcctatTTTT actgtgtaga gataagttgg gtcaaggaa gttgtgatgg  
 91381 ggtcagtagt caaggaggcc attagctatt taaatacctt aacctccaat ggatccagat  
 91441 taaacctcac cctcttgacg gaaatcagct gatagatgag tcacattgga gaaatctggt  
 91501 ataaatgaaa cctaaagaac ttatgtatgc ccacaggagt ctctagaact ttaaatactt  
 91561 tgcttgatat catctaaact tcacaattga agagaaggta tcctcagaac tctgtctctg  
 91621 ggatcttcaa catgtgtctt ctgtgttaga ctggcctgaa gatggaggtg ctgtgtctgt  
 91681 aaaggatctt cccaaacagg ggttcattta aggccaggctc aggggaggtg atccaaaacc  
 91741 ctccaccttg tactggtgct gaaagaaggt ggagatgtgg catggcctgg aaggtagtac  
 91801 ctggccttgc acagtctgcc cgtaggctag cgatatggtt tggtctctgtg tccccacca  
 91861 aatcttatct caaattgtaa tcctcatgtg ctgagggagg gatctagtgg gatctagtgg  
 91921 gaacacaggg gtggtttccc ccatgctgtt cttgtgatag tgagaaagtt ctcacaagat  
 91981 ctgatgggtt taaaagtgc agtttcccc gtgtgctctc tctcttgcct gctgccatgt  
 92041 aagatgtgcc tctgccttcc gccatgatcc taagtttctt aaggcctccc cagccattcg  
 92101 gaactgggag tcaattaaac ctcttttctt tataaattac gtagtatttt tacagcagtg  
 92161 tgaaaatgga tgaatacagt tagacaaggc ttcagggtacc aggacttctg ctttccagag  
 92221 acatgagccc ttaatacttg atcagtcca cgatcaccag cagctcctct gcctcttatt  
 92281 gtgagaagca tctcactagt gtagcactat ctggaccctt cccccctcac cccaatcaca  
 92341 gagaacactc agctaggccc caccatata agagagaccc ctcaaaaaga tgctcaaccc  
 92401 tgggaactgg aaaagaaaac tgagtatttc cttacatgcc caagaagttt cccagcagca  
 92461 tacacaagtc aaacggccag gctgcactga cattacactg ctcaacgtga ctggattcag  
 92521 attacccatc atccagacct gtgcacttgc ctgctgcagg gctgagcact tgccctgctg  
 92581 caggctgagc agatctaaca tggcctgtg tgctctcaca ggtgtagacc tggatgtcac  
 92641 ttctgatgcc actgccatgg cccctcaagt caccatggg tacagcaagc cctcttggc  
 92701 tccttcccag gatttcttgt ctattgctga tgagggtgta gttgctaata aggtgtggga  
 92761 tgatcagctg gccacttcta ggcttgtaaa aaccagaagt gcaagagaat tcatgcccc  
 92821 tggggcagac tttgaccaag gggagaggga aggcagtga ggagttactt tccccagaa  
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 92941 cacatggtat ctctctgcat atgtcccaca agtcacccac atggcatctc tctgcatgtg  
 93001 tcccacaagt caccacatg gcatctctct gcatatgtcc cacaagatca atcagctgta  
 93061 cttgctagca agcagtagtc aggtcaatga tacagctctt atatttactc tctttcttgg  
 93121 cttcacttct cttgttcccc acttctggtt ctctgggtgat gctttcacta atgaagcagc  
 93181 agcaatatac ttttgcttca ggccccactg ctccacacta agacacaata agcaacagct  
 93241 tccaagtcag ggctgggcag ggctctgaag ggcaactcga accaaaccaa acagcgtggg  
 93301 cctggaagca cagggttagc agctccaacc agcctctgca gactgtcaac aaggctcaca  
 93361 tgctggcact ggctgggtgc aggtactgca gggttatggc caacactgtc aacgccatag  
 93421 gagataggag gcaaagtgat gcttcaggat ccttggggct catggattaa taggtggttt  
 93481 ctactggcat atctgggacg agagcagcag agtactgtcc aagaaggcaa gagtcaaagg  
 93541 agaaaatcct ttggaggcct tagggcagcc agaggcagca ccactagagg  
 93601 gagaatatga attggagcca gggagagaaa gccaaagtca cagcttaggt tggagtgtcg  
 93661 agataaacag aaagaatgac aagcatgagg tataaaagag gtcacggcat gttgttctag  
 93721 gccaatgcat gtccactgcg aagacgtagg aggcctgctt tcattctgga tgggcagagt  
 93781 gtaagaccag gccagggggc taaaaggagt gaggcaggag aagaccctaa aagccactga  
 93841 ggaatcaaaa tgaggtgcca ggtgagccat gcacatgtgt gacattcctt cacatcttag  
 93901 acgcatctcc agcacccat cttaagtta tttctctgtg gcattttata ctccatttgg

# FIGURE 1 (continued)

93961 gaaagcctct caagttaagt gttccttcag cttgcaaact ctctctctga aagcaataga  
 94021 aagccccaga gggagaggaa atacccttac caacagcaga agtttagcagg gggaggctga  
 94081 catttctaac ttagattcc ggctctctca ttccccagct gtttggtatt gggcaaatca  
 94141 cttaaccttt caaagtctca gatttctagt cagtagagta aaaatactaa caactagctg  
 94201 actccaaaca actagttggg aggaatacta acaagcaaca atttgcaata gcatgaaata  
 94261 cctgcgtgaa gctgcgagga ccatgcctga tgcagacgag gcaggagctc aatcaatgct  
 94321 ggaacatcaa tagcaaatct cagcttccgt ctggaagctg gcagcagcag cagcagccag  
 94381 atggcctctc ttggaagctg tacactgaag cctgtacttt ccaagttcaa ctggccccta  
 94441 cttttgaaga tctctcttgg ataccaggaa tggagcttta tggacgatct cacaactagc  
 94501 aattcacaaat gagtaagctg tcatgtgtac tctttagat tcttggcgct ggggaggggg  
 94561 tgcacacagag gccatgagat gctgggagag ggcacccaag aggtaaagat tggcatgtga  
 94621 ttctctatca tctatcatcg ccctcggaag gtttacactt caaggctgac actattaagt  
 94681 cttcagcatc agaaagtact gtatgcagta accacaaaagt aaccagaaag gggctggctt  
 94741 ctagatactt ttacatttgg ttaaaataat ccagtcagg gcaccagggt agtctcttca  
 94801 agcgcagggc tgaagctaag ccaggttcat cccatgttcc acgcacaggg gcacgtgcc  
 94861 cattagtcag ttttctctt actcctcagg ctgcccctca gccctctctg cctgcgcaca  
 94921 ccctcctcag gaagcaaact ctatttcaaa tgtttactca tttcctgttg ccctcacatc  
 94981 aaatcctgag gtgtgcttcc tcatctactgt ccctgagtct aagcaatcta ggtcaatgta  
 95041 caactctctc aaggaaacaaa ctacatttt ataggagcct cgttgaatca gaatgactta  
 95101 acctgaagag gtgattctaa gaatagaatc caagcccat agctggatga tagaaagata  
 95161 tttgaaagat atcactttga gcacctcaa atcaggccac actgggcaaa gttaggccta  
 95221 gtctggttcg acaaatggtc agtccctgaca aatttcatca gatctgattt tctccttggg  
 95281 tataaatcta gtgccatata gttaactcca catttaactt gttaatcaca gagagctttt  
 95341 tctggtcaca aatgggtgac ttgtagcatt tcccagggtt gagcaagtgc tctgaagct  
 95401 ctgcctgttc tagacacgta tctgaaatat ctaattaccc ctgtacattc tgtagagcac  
 95461 acaaagccca acgtcattac ataaacatga agtcccatat taatatattt gtcagttaa  
 95521 ctgtcctttt acatttgcca atctgaacgt gaaatcatgc tactgctgag aataaggata  
 95581 ctatatgttg aataagaagt tccaagttgt gctatgatcc aaattatgaa agttaaatta  
 95641 tctagagagc aaacccaaaa agctgtgtag tgaactgaat ccaaattcag aagaatctaa  
 95701 atagcttgat gcataccctc tcttaaatga cacattttaa tagtttccct ttcacacaga  
 95761 gcaagaaact ttaagaaaga gatgaatccg tccacctccc tccctgtcag cgggtccctt  
 95821 attaggtggg tatccagacc agcccaggctc attagtcagt tgcactgggg gtggggcatg  
 95881 gagggaaacag ggctgatagc cctggaccat ctactatgca ccacatacag tatttattcc  
 95941 atttacctct tccaactacc tagtggggaa aattggaaaa tcattctcca cattgaacag  
 96001 ataaggaaac taagcctcag agaaattgaa tgggtccaggg ccagaacta ataaaaaaa  
 96061 tgaagccaga ctataaagtt agggcctttt cacactaatt gtcttcagac agatgcttac  
 96121 aagagttagt taaactcctt tttcgagggg gagcacctgg cagcagcatg gtaccataac  
 96181 atgccccctc cacactctat ccggcatctg aaaatgtgat accacagagc agcctagtaa  
 96241 ggggagcccc tctcaactca taaatctgag gcaagtgtat aaacaagaat cctcaccag  
 96301 tgggtggcgg ctgccctctg tgtctcccaa acctggggca tcaggctgtg ccattcccagt  
 96361 accctctgca tctactttcc ctgctggatg taagctcctc gggctggcac caggtcctcc  
 96421 tcatctctgt gttcccatat ctagcacaga gcttgggtat aagatgcaca catggcaaa  
 96481 ctttgttgac tacatgatgc tttctttggg tgcctccca cctctgcag tgacatgca  
 96541 cccctaaaaa ctcatgtctc ttagtctgtc cccttactga ccagtggctc taggccatgg  
 96601 cccatcctag gcccaactcc tcttctctcc ccgatgtctt gttccttcca gacgcgcac  
 96661 tccccacatg actttgtatg acaatggttt aagcaattaa tgaacctttg tttatgattt  
 96721 gggcacagca gatagcaatg ctttaactcc tggagagctc cccaatgtga gaaacctcag  
 96781 atcccagcaa gggcagacag acagacaaac tgggtgaaag gaagggtgct gaaagtattc  
 96841 tccatatcac cctgtatagg caatgactca cccacctac aggcagaggc gaagtaacga  
 96901 agacacctct tcccagactt catgtccact caccatggaa aaaatgcttc agatttgcaa  
 96961 aaatgcccaa gcgtaataaa aagcctgcat tctgggccta ctgctgtgat attcactaca  
 97021 agtctgacat agaggtttaa tttggtctgc tgtgaaaata gaactgaata ataatacag  
 97081 tctttgattg tggtaggtt taattataga aacctattca agtacatata tattaataga  
 97141 aagcctcaca aacatggcag aaaaccattt ctgttcataa gtatttacag ggaaagctct

# FIGURE 1 (continued)

97201 ccttattttac tttattttaaa taaatatttcc aaatcagcaa accaaaaaag agcccccatc  
 97261 tttcatgtga acatttttota atcatgtcat gttaatattt tctcctttga tttccaatga  
 97321 gctagcacia gctctggcct ctgcactaga tgggtgggtgt gagtcactta tttagaatgg  
 97381 aattatggat tatataaaga ctgacgagta caatagatgt tcaatgtggg ggttgtcgga  
 97441 aacatcacct aattaaatat gctaaaatat tttggctgaa aatttgtttt aaatcttcaa  
 97501 attttttatac cttctgattt tctttgttgt tgttgttgtt gagacagggg ccgactctgt  
 97561 cccccaggct ggagtgcagt ggctcaatct tggctcacta caatctccac ctgctgggct  
 97621 caagtatttc tcccacctag cctcccaagt agctgggact acagatacgc accaccatgc  
 97681 cgggctaatt ttttaatttt tttgtagaga tgaggttttg ccatgttgcc caagctgggc  
 97741 ttgaactcct gagctcaagc aatcctccca cctcagcctc tccaaagtgc tgggattaca  
 97801 ggcgtgagcc actgcgcccg gcaacttctg attttgtaat atagaaataa ctgtcttggc  
 97861 caggcatggg ggctcaagcc tgtgatccca gcactttggg aggccgagga ggggtggatca  
 97921 cgagggtcagg agatcgagac catcctgggtc aacatgggtgc aactctgtgt ctactaaaaa  
 97981 tacaaaactt agctgggcat ggtgacgtgt gctgtaatc ccagctactc aggagtctga  
 98041 ggcaggagaa tcgcttgaac cagggagtca gaggttgagc tgagccgaga tgggccactg  
 98101 cactccaacc tgggtgacaga gtgagactct gtctcaaaaa aaaataaata aataactgtc  
 98161 tttggaagtc agacaaaata atgagcagcc tttatttctt tttaatctaa tttcaaatta  
 98221 atgtttttaac ttcaagtagg cagggcaaaa acacaatttc tctcaaatcg ggtaataaga  
 98281 attaattgaa ggggtgatagg tcgaaataca aggagcataa aaatgaaaac acagagatat  
 98341 ggactcagaa ttgtacttcc ctttgcctaga cataaatttc actcctataa ttatcatttt  
 98401 taatgtccaa aatcttcccc acataggcta tacttctttt tttttttttt ttttttgaga  
 98461 tggaaatcttg ctatcgccag gctggagtgc agtggtgcca tctcggtcca ctacaacctc  
 98521 cccctcccg gttcaaccat tctcctacct cagcatccca agtagctggg actataggca  
 98581 cgcaccattg cgtccagcta atttttgtat ttttagtaga gacgggggtt caccatgttg  
 98641 gccaggatgg tctcgatctc ctcacctcgc aatctgcctg cctctgcctc ccaaagtgtc  
 98701 ggggattacag gtgtgagcca ctgcactcgg cctggctata ctttttaaat gtccaaacaa  
 98761 ttaattaact taatctagtt ttttttattc gtaaaatgca tttcttaact gaattcaaca  
 98821 gttaattaag ccagggtgact tcttcatgac tgacccggtt aaatcaattt tgcatttata  
 98881 aattaccatg aacctattaa tgcacagtat aattactgta ttataactaa cttctacact  
 98941 aaaacttgca atatggactg tgaagccagt ggagaggaaa atcttttagac gtagttaatt  
 99001 gaataaatat ataaatttga agattcatta gggattttaa cattccgttt caaaactgaa  
 99061 gccatcacat actattattc taatttattt caacctatag ttcattttta agtgctaaat  
 99121 attaaaaatgt tgtaatatagac gctgattata tcatcttcat gtaaaatgaa acaccagact  
 99181 ttgctgtcat acacactgga caatagggtga aaaaactcca acagcagagt aaaccaacaa  
 99241 cattcctaaa cgatctaaag attctcacag cctccaaatt tgcagatata gaaacttaca  
 99301 tataggccct cagttcttcc acaagctcca ccaacctct accagcact gtaccagtg  
 99361 ccccaccatc cctcatgtca ctaaaacggac tccctgtgtc cctcttgatg gctgtccctt  
 99421 ctacctgcac acaagagacc acctgtgtct gcctactcaa ggtcatcgct ttggcaatct  
 99481 cccactctc ttttgcgtca ctgctttccc cctctctact ggatttttcc catgagtata  
 99541 caaaaagctg ctattctcca atattaagga aaagccctct tttgatcccg ttcctctctc  
 99601 tgcccaccac tgcatttctc ttactttctt tacaataaaa tttcttaaaa taatttggct  
 99661 tactatcacc aaatccctct ccttctattg tctcttaaac tcaacccaaa cagggttttag  
 99721 tccaccactc cgttaaaact gctcttgtct atcacaccaa tgccctgcac atttctacag  
 99781 cagctgttca ttctcagtct ccatcttact ggacctctca gcaactgtata acacagctga  
 99841 acactcttca tctggcaaca cctggataga gcatattata catttcataa ctcagcccta  
 99901 tttgtcaatg taactttcta ctttgattta tccagcaatt tcattttttg gccagaact  
 99961 gcaactttct caaaccattt tcccctttct tcattgtctt caccacacta gcatgtggcc  
 100021 tgtttagagc tacttctcag acaaaaataa agtatctaaa acacagtgat cattactgtg  
 100081 aaaatgggtga ggcataagaga atgaagcttc actgtcatgc ggacgccatg tctcctttcc  
 100141 actagtacat gtgcatctta caccaagaca tcagtgggtac ctaatgtatc ttactcccag  
 100201 gatcctatga gcacaatgtc acaatatatt ggactaacat ggtgccctgt gtgaaacctt  
 100261 gcagacaaaa tggtaacaca gagccaaaaa gaagatagag gcctaaaagc aaggcaatga  
 100321 agttattctg ctgcccctat gaggtacaag caaactgttt attctctgct tatgtgctt  
 100381 tagtaaaaaa agcatttggg ctgggtgcgg tagctcacgc ctgtaatccc agcaactttg

# FIGURE 1 (continued)

100441 gaagccgagg cgggcggatc acaagggtcag aagattgaaa ccatcctggc caacatggtg  
 100501 aaacccctc tctactaaaa atacaaaaat tagctggagc atgggtggtg atgcctataa  
 100561 tccagctac ttgggaggct gaggcaggag aatcgcttga accagggagt cggaggttgc  
 100621 agtgagctga gatcatgcca ctgcactcca tcctggcgac agagagagac tctgtctcaa  
 100681 aaaaaaaaaa aatccatttg ccagatagat acatgcatac caaagatcaa ggcattgtatt  
 100741 gagttactag aaactttatc ctgaagagga cacatgttcc agtaatctct ccatatttcc  
 100801 atttccccaa ttactctagt aagtacactc tttcaaaggg cggatctag caagtcttg  
 100861 accttagttc catgtaaggg atgttgggct tatgaactga cctgtctggg aacaatcgga  
 100921 tgggggctat gatttccctat tgtaataagc taaatcaagc ctccatttgc cagaagaccc  
 100981 agagtttttt gggtgtaaaa atcaggtggc atagctaagc acctatgcac ttcagtcaca  
 101041 ggaatcccat tatcagtagc cattcccaaa gattcctggg catcctgatt aaatacccat  
 101101 cctgtgcct attatggaag ccagctgccc taccacctt gctttctgat ggtaagggtg  
 101161 tgcgtcttaa gctctattac cccaggatcc taatatccct agtaagatta gggagtcoca  
 101221 tttcaacggg accatacttc acaagcatca gaggtctaca gagaacagcc aaatTTTTTT  
 101281 tttccaatga agccagttgg tccctctcca ctgtatctct taggctcttg ttgaagagca  
 101341 tctcatcagg accctctcaa ggaaaacaat tggaatacag ctctccatac ccatgatata  
 101401 tcccccccaa caatattatc tccctaagtg cttggacttc ttgctcttat agtagtacgt  
 101461 gacagaatct ctacagctc attgggtgcca cagtcccagt tttggtcaac cagtcaagaa  
 101521 aacataaata gatcaatgcc atctatttat gctagtacac tgaattcaga acctctgggt  
 101581 aagtgtctct atagcaataa attcaagcca tctaaagtgg tatttttctc tatttgacct  
 101641 aaaactttca aaatccatta tcatacatat tccccagaa tattttccag tatcaattgg  
 101701 gaaagtcttg caacttttta gcaccataag ctatcacctc ctaccttga ctttgtcatt  
 101761 ggtgtcttga ggcattcttg gatctaagtt tagttacaca tctgggagta gggcagaagg  
 101821 agaactgacc tacctttgta atgcaactcc ttcagatggc agaaaattcc atcaagacac  
 101881 gaatagcctc atcagagaag gtcacagggc tgctctaact ggcaagggtg gattgatgga  
 101941 ctttagggat tgggggtgcc ctgaattcac caaatcctac catatcccc gttctagttc  
 102001 ccagagtccc actctttctc taaataccca aaccaaatac caaaataagg gacctagctg  
 102061 tgaattcaaa tgacatcctt agttgacaac ttgcattact gcatttgggt tttgactttt  
 102121 taacctgaa agagttacaa aataaatttg taatatttat atatagtaca aaagagattc  
 102181 ttttagtgta ctctagaaa gtccctattt ttcaatccat ccttaggtaa gaatatttag  
 102241 gaatctgagc ttatattccc tttctttaag ctgtctgcca ccgttacatg cagccatcac  
 102301 accagcccag tttttcaagt cctcattcct atgcaattgt tgcattggaag tcctgtcttg  
 102361 gtccccaaaa gggtttcttt caattagcaa ctcatctag aagttcacag atgatttatt  
 102421 tgctaatttt ccaccaaag ttatgggggt tcatgtctat ccttatgca gctggatttt  
 102481 tcaactacct cagctccaac taaccagac aaaccaatcc cagcttcccc caatTTTTTT  
 102541 gtgggtctat ttcccggaac cattcctggg ttcaaactcc ctatcaatct aggttcttac  
 102601 ttgcaaataa cagaaataac aaaactaaga ctggctgctt taagcagaaa ctgaattaat  
 102661 tgaaacgatg gtggatatt ccacataatc attgagaagg ctatggaagg tactggaaaa  
 102721 caatcaggaa caacagtagg ctaccaatc acaacaaaa tcatgccaca gaatttaagg  
 102781 ctgctccttc cactggacca ctgagctagc accactgcca cttcagtaaa ctgatgttcc  
 102841 cagagacagg atgcgactac tggaactgcc accactgcca cttcagtaaa ctgatgttcc  
 102901 tatcatcact gtacacattg agtagaccat caccattctc ctgtagctg tccattagta  
 102961 ccgagtgggt attcctgata ggctaggtct agcacatgtc ctgtagccaa ggtggctgtg  
 103021 atactgaata gtggaacttc ctagattcaa tgatgagagg caagctctga atoctgctaa  
 103081 gattcacaaa ctggggaact tcccaacaa gggaagagaa atcatatgta aggcaaccag  
 103141 gaaaaaaaaa aagacaaata cccctgtagg tatcttcttg gtattttggg gaagcatcat  
 103201 tacagaaaaa gaagatgaat ttttatgtga gccaaagtgt gaaaattttc atgctaaggg  
 103261 aaaaacagaa tggtgcaaaa gtttcattta tttgtaggtg ttttgcattc atggcagtta  
 103321 gtgatatttt atagtgaata aaaagaaagc aagtaaagag aaaagactcc cttgagtttc  
 103381 accatgcaaa ttagagaatc tggaaataat actcttgatc cctcattctt tttctgccc  
 103441 tcaataaggc tgattcagaa aaagtattta taatatctgt taggatttcc caagaatatt  
 103501 ttaaaattct acaaggactg acaagagaac atttgctacc aattagaatg gatttgagca  
 103561 tcaaagaaca gaaaaattct tataataacc tgatttcaca cttcccgtaa agcatgttta  
 103621 gagtacatta tagcaaaagca tgttaaagca atctgcctc caaaaagtgc aactaagagg



# FIGURE 1 (continued)

103681	agagccaatg	gagcaacact	ggagaaccag	aaattcaatt	ctaggagaat	gacaggagat
103741	atgtgagtgg	tcagaggaat	tagtgagtac	tcagtgattt	tagacgcttt	gccattgggtg
103801	aggagcaggg	aagttctttc	tccttggttaa	aaaagaggat	ctggaagcta	tagaaacaca
103861	cggcgatttc	tcattcttaag	caggtatgta	gtcttctctc	ttgctacaat	cttcagagta
103921	ttatataagt	attttaattt	atccatttgt	taacatttgg	atatatgcat	ccatttcaact
103981	gtgtgtgttt	tgacaacatc	tagaagacaa	ataacttaac	aaaatgtgct	tagatggggcc
104041	ataaggaaga	gtgaaaaaga	agaaagggga	aaagaaggta	ataacaagga	ggcaaacagg
104101	gaaccaaaga	gactatacta	ttttcctatt	tcatgcacat	gtgggtgctg	gtgtgggtgc
104161	atgtgtgtgt	gcgcgtgtgt	gtgtgcatgt	gtgtgtgtgg	tgggggggtgg	ttttgcctag
104221	caaatttgct	ccatttcaat	agaaacttta	aacttcaaaa	ttcctttttt	tcttattgct
104281	aagtataaaa	gctaatactt	atttaagacc	cagtgcctta	tattaagaaa	aatataaagg
104341	tatacattta	gatttgaaat	gtagtctatg	atatacgaga	tatatcatga	aatcagaagt
104401	aatactaaaa	gcaataaaaag	aaaacaaaaga	gaaaaaagag	caaagggctt	ttacatagag
104461	gttaaaaatt	tactgaattc	tcttggttcc	caactaacac	caaagacca	agttcaccat
104521	tttgcttttt	tctgaggcta	cagagatagt	ggtcattgcc	aaagctagaa	ggcctgtggg
104581	gagtccagag	gaattttaaga	gaaatgactg	agcactggag	gtgatgaagc	agaagcagca
104641	ttttccttgt	tcctctgact	accttttttt	tcaagcggtt	ttaacatggc	tcttgtaggt
104701	cttcttttgc	agcccttgcc	agcaagtga	aagcaatcta	ggaaaccaca	agcttgggtct
104761	gtaattgaaa	caaacaattt	tagttcaagg	cgataaaaagc	agtaacaacg	aaaatggatt
104821	cgaagttggg	atacaaaact	ccacaattat	gtttctttta	aaggctacag	tcaggaacta
104881	catacaatat	attttgtata	ggaactctgc	aacacaagtg	aatatgctag	ggtttctcat
104941	gagtcctgtg	actctcagaa	accttctgtc	ttccaaagag	ttctttggat	tctaccataa
105001	agtatacagc	agtatatgga	gagcattttt	actgttttaa	atcacaagt	caaataagaa
105061	catactgtaa	agggttgagt	atccagtagc	acactctgga	tacccaaaaa	tgtacaacag
105121	ggaagaacgg	ggactatttt	ttcatataaa	ttcttaacaa	tctgtaaaag	gaaaaaaatg
105181	aaagcccaca	aataagcaga	gtaacttagt	tataaaagtt	tagtcatttc	aaattcatct
105241	caaaacaaca	aatatagtat	tttattccca	ctagactgta	agtctcattt	gtacaagagc
105301	caagtttgct	tttgtattat	tgtaatccta	gcacctaaac	gggtacccag	caaagagaag
105361	atgctcagta	aatatttggg	gatgaaataa	ataaatactt	aacgtgtaaa	acaataatta
105421	aatgaatact	tgtgttaacc	ccatgtatgt	acataacata	cactaaaaca	cgcttaggac
105481	cccaataaat	gtcaattaac	agggagaggg	tgaagggtga	gaaaagagga	gagatgaaag
105541	cataaaatag	acagagaatt	gtcacttaat	ctctggaaat	tctgtgaagc	agttatccat
105601	tgttcatgac	accttgaaaa	ttctcatctt	taacctatta	qaatttcttc	aactggaata
105661	gccacagcag	cctccagaga	catcattttc	tctgggcata	attagtgggc	tcctccttgc
105721	tccattatcc	tgataacatt	caatgaggtc	tcactctggc	gcattatggt	tgggacctgt
105781	ggtaatgtca	cagaatcaga	aagccttaca	catgaacct	ctaattcaac	ctccttaatt
105841	cactgatgag	taatttccca	gagggtctga	gtgccttgcc	ccgggtcgca	gcggaaagaa
105901	aacttctttt	gttccacaga	gttctggggg	acgtgataaa	agaagaactt	cagctgaatt
105961	aaattttaaag	gagtttgagc	aatgaataat	tgcggaattg	ggcagcccc	agaatcacag
106021	cagattcaca	aagactccag	tgcaaccacg	tggtagaaga	agatttacag	acaaaaaaaa
106081	aaaaaaaatg	gaaatgacat	acagaaattg	gaaggagagt	acagaactgc	cggttgggta
106141	caggtcagt	tatatgcctt	atttgaacat	cgtttgaaca	ttgagcagtg	tatgaaaggt
106201	tgaaatctgg	cctctggcca	ctgggattgg	ccaagacttg	gctattgtta	cagggtgcata
106261	ctactaaatt	aggttttcaa	tctcatctgc	ctttaagcta	ggttacagtt	caccacaagc
106321	actcaaatat	aaaagtacag	agtccttctc	aggccatatt	tagtttgctt	taacatactg
106381	caaagaatac	taacttatac	atcccaaaag	gctcatggac	agaaatgatt	tgttactgaa
106441	tataaagatc	tattagacac	ctggaaatct	ttggagacaa	agatgcttca	aatagccata
106501	gaaggggaatg	cataaggaag	ctaacacatt	acaaatacaa	aatttttcta	tgcctaattc
106561	aaactgaaaa	aaaaaatggt	tttttaattc	ctgtcattct	ccagagagag	gaaagcaaaa
106621	attgtttctc	acatctgagc	tgtgggtgtc	gcattattacc	caccactaga	gcacaaaagc
106681	aaagttcagg	ccctcatttt	agaatcaaca	tgggtgggctg	gtgaccgtca	atttcaccaa
106741	tgggtaaaaa	cacacgactt	ccctggatgc	ctgtcatttg	cctctcatcg	catagtaacc
106801	agctgtataa	gtaagcaaaa	aaatcctcga	aactgtttat	tgactataat	taacagggtt
106861	tatggtatatt	gaaagcaaat	aagcactatg	acaaatataa	taaaatatga	tgcataaaaa

# FIGURE 1 (continued)

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106921 tgatgtaaaa ccgacttgat gttctgactt tccagtga aa gtcgttttcc tggtttacct
106981 gatgaaatgt ttcagagggt cattgcatga actatgagtc atagcttcaa gtctctgggt
107041 gccactttac catttacatg atttaaggcc aaaatctgct ctcccttcta tgtcataaca
107101 aaaccgcgca agactataac gtaagcctca ctacccatat cctagagctt tgcagcaacc
107161 agcaaacgta aaaacggaaa acaccagagc tctaaacaga ttaccagct gctgtgtaaa
107221 tttacagcag tctataagcc ttcataatat tagtaatat tataaaatta ttgagcagtc
107281 cttgattata gtgtattata gaaatgcaaa ttgcagtcac aagaatagga tgtgggttgg
107341 gactcttgaa atcaaccttc attttttgac ctgacatttg atattttgct ataaagcctc
107401 cagtttgaac gttctacttg tcaagagtta atgaaactga aatgagtcac agatactatc
107461 tatgactcat attattataa tatcacaatt atataatact gcaagtattc atgggtgcaa
107521 aaagaatgcc ataggacaaa agaccttccc tgtagatcca gtcatacaca tgaataaagc
107581 cctaagcatg cttgctaatt ttaatgggac cgaagagtct taacgcaagt tccccctctc
107641 ccaccctgt tttttattta attattttta acctgcttct ggtccaagaa accatttctc
107701 agctggagt gctaggcatt tactaatggc ctttccagca gggctgacat acatgagtgg
107761 ctgtctccag ctcaactcaca gacttggggg cggctcttag cagcctgttt ctacctgagg
107821 gtctttgtat ttaactgaat tctttagtga cagggatctg cagaataaag aatgctgcac
107881 ggggtaggaa tgcacacacg tgttttcag tgcttcatat tcaggcctgc tgtgactcag
107941 cttacaagat caaagttata aactcatttt tcatctctta ggggaaaatg tctcagtaaa
108001 agtacgaaaa cctgaaacct tttttcaagg aagatacaaa acaaactttc aaagtttttt
108061 tgtttgtttt gttttgtttg tctgttttgc taagtagtgg tcagtatcac aagatgacat
108121 ccatgaagct ccactgggga ctctaacatt atatataagt tgattcctat ggcaaaagtgt
108181 ataaactcac tggttattgt cattgtgttc atccaccatc attgagcata tctctaaaac
108241 aatgttgtag tataattttt tcccaggagt tttagagaga aaataaaatt cctctaattg
108301 agacagtttc ttgacacaat tgttcagtc tccaagcact tcattattag gtggtagcca
108361 tacatttgaa tcaataaatt cctattcaga ctctgccttc agagaaaatc ctgtagcagt
108421 ataattaatc ctttgcacct gaggttaaaa atgtggccga ataataacat ctttttagg
108481 cactggcaga gcagaattaa gttcaataaa aagtgggaaa gataaaagga aaaaaaggaa
108541 gatccaacat atgaagtggc tgctatttta tttcaacatt gcttatatgt ttaggaaaac
108601 atttaaaaga tgagtagaca agaatgaaat gatgtatcac aagaagtttg tttccttctt
108661 acgggtttcaa aactgaaatt gttagagaaa atgaaaaatg agtttttaag tgttgagagt
108721 aattctagaa aatattttgtg cacacaaagc ctgactagac ctattccaaa tgatgttctt
108781 atctggagtt tcccagctag gttaatgcgg gcattaccaa atcctgaggt acctaaaagg
108841 agttgtcaga gaaaagataa aacaaaaata aaagatggag aaacaaataa tatagagtgt
108901 tttctgatca gaaataagcc tgccaactac ccattagaga ctggttaata cttgtgagtc
108961 tcaaattgcc tgaatttatt ctggagcttc tagatatatc tggggaaaatt gagacaatgt
109021 acttctttct ttttgtaaaa aaacagtagg tgttacccaa ataagtggga acatcaagtc
109081 tggctctttat ttctgaggtt gcctgcaagt tgctacatcc ataacaaaag tgcccttgca
109141 gtttactctt cagcatatat ttttcataa gcaaggtact caaattgaat ctgagcttca
109201 aaacttagta tcaatcacat ttttcaacct tccagtttag ttttggtatg actggaaaat
109261 tctgcaatgc taaggaagtg tgccaacct aaattaaaat aacatctgaa tgtacctac
109321 atagtttata agcctacaaa ggacctaacg tcatgaggtt tatgagtaac aaaccttggg
109381 gacagtaatt ttccttagct gaaactctct atcacttaaa atattctgtc agacaccag
109441 ttacactttg agattttctca tcaggctttt agtattttta aaactcaatt tctgaaattt
109501 cgcctatagg ctgatcctt ccaaacacac ctccctctg aaatttcatg ctcatcacag
109561 ctgaatgcc ggcactgtcc cgaacacttc ccctcgctac aggaaaatgc attaatctcc
109621 agctgcccgg ccgagtgtgc ctgctccgta tcaattagc ttgagcattt aaaacggctg
109681 ttcctgaggt gattaatgac tgcaaatgag aagaccttcc gtttccggg gacaggtcac
109741 cccagacct gtgttatcgc caccagtcaa ggcacctgc tgaaccaggc tgccatgcac
109801 cccctttcca gccatttat cagtcaaacc tgccaggatg attcttttca ggtgtgcac
109861 tgagacacga ggggagagac ctttgtttta attgcccag atttgcttta tggctccaa
109921 gaactcatga gaacttctgc caaagtagtt tcaaattcag aagctgggac aaatgagcat
109981 ctccaccatg gatgaggagc agtatctaga tacacaatgt tcaaaagcac ttttcagcac
110041 tatgatttac aggcaagtac tgaaaaaaa aaacttagcc aagaggattt tttgaatttg
110101 taactaaaag taaacctgtt ttatagctgg catctcattg ttcaggaaat tccaaggccg

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# FIGURE 1 (continued)

110161	gctgccatca	aagggttgaga	aaataaaatg	atttaattca	agttttcaaa	ttgctgatgt
110221	aaaatggtat	cattccatth	ctcatccaca	tataagttag	ctgaacaatc	atcaggcagt
110281	tatagtcaaa	agaaacttht	cagaacaaag	ctgtcattaa	gagatataaa	aacattttatc
110341	caaagaagac	ataacaatgg	ccaacagcta	tgtgaaaaag	tgtcaaaaat	cactaattat
110401	tagagaaatg	caaatcaaaa	ccacaatgag	atatcacctc	atgcctgtta	gtataactgt
110461	tatcaaaaag	acgagataac	aagtattgat	gagggcatgg	agaaaagaga	aactttctac
110521	attcttagtg	gaaatgtaga	ttggtacagc	cattgtggaa	aacagtatga	aggatcctaa
110581	aggaattaaa	aatagaacta	ctgatacagt	ggctgctgcc	atcatgtcag	ctgcagcagg
110641	gaggcgtggc	tggggctgca	cactccatgg	agccagtggg	agccctgcct	cttctgagtt
110701	ggaaagagag	ctacgtgcct	ctgcagccac	ccaaactgca	gctacagacc	caggcctcct
110761	gctctagtga	gcaagcagga	gcctcgccct	cctgggtgag	gctacaggcc	acctaaacta
110821	cagctgtgaa	tccaagcctc	ccttgtgtct	ttgggggagc	caggaacagt	caggatctgc
110881	cctcctgggt	gcagctggag	ccacggcact	ggtggctgca	gatctggaac	tcccagttgg
110941	gaagcaggca	ggagccgggg	acaagcggga	gccctgcctc	ttccgagttg	gccaggccgg
111001	agctcctggc	tgcagctgct	gctgccctcc	cacgtgcagg	gcgtctctgc	agcctgcacc
111061	ctcgggcacc	ccaggaaggt	tccctgcccc	tgtccctgaa	ggctcagggg	tgtctgctcc
111121	cactgcctgg	cctctctccg	ctcccagctc	ccagctccaa	tctcggagcg	gggttggggc
111181	cgagccccag	ggccatgaac	ggcagcagga	ggcagacaga	gtccgggggtg	gaagggggca
111241	gggtccccag	taaggcccca	ctttcaggcc	gtccctggcc	tgaacactgg	gggcccgggt
111301	gccagtcctg	tggacgggag	aggagactca	tgggtgctct	ttggcttgcc	catggacca
111361	ctggcatgca	ctctgtctct	tctgaactcc	ataaaaagct	tgtactcagc	cagagcaggg
111421	cagaggatgg	ctaaggacga	agagggcaga	gagaatggga	gcagaccaca	aggtgcagag
111481	aagactaccc	tgtctgtctg	tagctggaga	cgatgggaag	accagctgca	gagaggagta
111541	ccctcactgc	tgagagctgc	agagatgacc	tgccagttag	gaggagctac	tcactccttt
111601	gagctgttct	aacactaaat	aaaactctgc	ttcttcaccc	ttcacttgct	tgtgtacctc
111661	atttttcctg	gatgcaggac	aagaactcgg	gcaaagggtg	tggggccaca	gagggtttccc
111721	accagaaaaa	tgcacaccca	agagatctcc	taacactact	ggtttgggcc	gtaatcccag
111781	cactctgaga	agctgaggca	ggaggattgc	ttgaggccag	gagttcgaga	caggcctgcg
111841	taacatagcg	agacctcatc	tctacaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaggctgcgt
111901	ttgggtgatgt	gtgctgtgat	ccccagctac	cctggagact	gagatgggag	gagtacttga
111961	gcccaggagt	ttgagcttta	cagtgcacta	tgattgcacc	actgcattcc	agcattgggt
112021	acagagtgc	actgtgacac	actgtctctt	aaaaaaaaaa	aaaaagtcta	atggaaatga
112081	aatcaccact	taacttcata	aaggtagcca	catttccttg	ttcattgcag	cattattcac
112141	aatagtcaag	atactgaaac	aactgaaatg	tctgttgatg	gatgaatgga	tacagaaact
112201	gtgatataca	cacatacaga	gaaatattat	ttagccttaa	aaaaggagat	cctgccattt
112261	gccacacgaa	tgaactatga	tgacattatg	ctaagtga	taaaccagac	acagaaagaa
112321	aaatactgca	ttatttcatt	tatatatgga	atctaaaaaa	agaaaaacaa	agttgaatac
112381	atgaagatag	aataaagtgg	ttgttascag	gggtgataga	agtagttgtt	accagggatg
112441	tggtgagact	ggtagggaat	ggggagatat	acataaaagg	atacaaaagt	gcagacatgt
112501	aagatgaaca	agtctggagg	tctaacatac	aacatgagga	ctatagttag	taatactgcc
112561	ttttatttga	gattcttgca	aaaagagtag	attttacgtg	ttctttccac	acatacgcaa
112621	agagggtaac	tatgtgaaat	gaatgtgtta	atttgcttga	ctataataac	catttcacaa
112681	tgtatatcaa	aacatcatgt	tgtatacttc	aaatatatat	aatttttaaa	aagtgtgttt
112741	tttgggtggtc	aaaaaaaaaa	gatacaaaaa	caaaagccct	gtggatgcat	catctgggggt
112801	ttattccact	tgacatatga	gactctgcct	tatggtaggg	ctcaggtatc	cacctctgtc
112861	ccttctggcc	ctgggcatgc	caaacctaca	cccagaagag	acttgtgcta	ccctttccac
112921	atcttttcta	ccccatgaca	tcactggtat	gttactcaga	ttttgggtgt	ttctaacagt
112981	ctcaggacat	aggaaaaaaa	tttacctta	aagcttcaga	acagccattc	aaaaaattat
113041	cacttaatag	aatgaaaaca	cacatgtacc	atgaatagga	gaggggaagg	attaaaaaaa
113101	aaagacttct	taagggtcaat	tttccaaaag	gtctatgttt	aaatgttcta	acaaaatcta
113161	ctgcataagg	acaaatagat	attaaactgt	tatatggga	aaaatactgc	atgacataga
113221	atgtctgaaa	tccaaaaata	aattaatatc	actacgcttt	gccctttaat	caaaagtaag
113281	ttagtcactg	gtattttaatg	cacacaagaa	tctagtataa	catggacaca	tgaaggggaa
113341	tatcacactc	tggggactgt	ggtgggggtg	ggggagcggg	gagggatagc	attgggagat

# FIGURE 1 (continued)

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113401 atacctaagg ctagatgacg agttagtggg tgcagcgcac aagcatggca catgtataca
113461 tatgtaacta acctgcacaa tgtgcacatg taccctaaaa cttaaagtat aataaaaaaa
113521 aaaagaaaaa aaaagaatct agtataaaat tgctaccaaa aaaaaaaaaa agaaaaatta
113581 gagaaacttg agattgtact ggcagcttga aattttctag aattctaaat tttaatttta
113641 gtctctacct taatataaga tatttgccaa atgtccatag aattgaaggt tttgtactac
113701 tcactaacia tatataatgt ttgcttaact tgggtttgat gtagaccagt ggttccacaa
113761 actagatcat aaccttagaa ggtgagacat acgcatcgta agttcttaaa agttctccag
113821 gtgattctca tctgccgtgg ttgggaacca ctgacacaga ccaatgcttt ccaagacccc
113881 accttggttag gaaaagaaaa cacaagtata gcagttaaga acccaggagt aactcagaag
113941 aagtaagtta aacagatttt taaaattata gtgatgtaaa taagatacta acattggtgc
114001 ccaaaagtaa aggttaggtt gaaatggtga aatgtgtgat gtaattggtg gtttggggcc
114061 tatcagggag acttcttggg aaagtcttaa ttataaactg aattataaag gtcaagagtc
114121 agtaaatac acgaataaaga ggcaggcatt ttaaagatga ccccttcaaa taatctgagc
114181 attcaagcca ccaagtaata atgactataa ttatcatgtg ttctatcttt attttatatc
114241 attattttaa aaggaaagct atttcagact gggatttctt gtgcaaagtt tttttttttt
114301 atttgggttt tttgtaactt atggaaaata tttcacccaa aaaggaatgg aaatctttat
114361 ccagcctaag agtgagtggg agagaactaa gcaaaccgaa acaaccaata gctcaaaagc
114421 tgagtaccat aaacacctac acatttgact ggacacgatt tcagtcttct ttaagaggag
114481 ggacttaaga gtcttaagag ttttcagctg gaataagatg tataaggata aattatgttt
114541 attcacataa actgttttgc aatatgaaaa gacaaaaaac acctgtaaag ccagtgtggc
114601 tccactcca ggaactctag ctggtaatgt ttcctgacag agtaatttat cctaaatttc
114661 acatcttgca agcataaggg tcaaatatat tttagtcata aagacactat aagtttccga
114721 gtagaaatgc ttcaagtttt caatctccaa gaacatttgt cccacctatt ctgataatac
114781 tttactatcc ctttgttttt caagatacca gaaatgactg agatggaatt tactctagct
114841 tacttcttat atttaaaaag atctcttgct tttgcattta tctaggcaca tataaaaaatc
114901 aatatgtgac ctactactac ccagacagag gttagcatca ttttctaagg ctcttgctc
114961 ttcactgtac tttggtcttt tccatccctg cctgactcta caccactctc aggtattctc
115021 tcccagacac tttttctact ctgccgtcgt cctctgcccc ggaaccaaca aagcgttccc
115081 tgtcggatca agtcctgaac actcagcttg accctctcta atcagaagaa tctgcctctt
115141 caactttatt tccacgttcc ccaacctttt cattctaatt aagccaatat cccgattgcc
115201 ttccatagaa atcatgtttt cactcacata cctactcagt aaacacttat tgagtgccag
115261 ctgagtgtca ggcctcgtgc tcatttctgg cccacactt ttgttctgct tggcctggct
115321 caaatgcca gtccctccca aagctctctt cagctgtgct gattccccac tcagcgtcct
115381 taccctcggg attccccaca tcagcattcg caacctgaac tcacacagca cttttctaga
115441 atactttcag acattctgtt tcaaataaat ttggaaactc tggttcaaac tcagttggac
115501 aggtttctct actatggaat tctcagaggg ttttaataagc taccatcagt tgtgaattcc
115561 taagagggtt atataatatt cagaatttca caaaattcct tggccataaa aattttacag
115621 tataattgct gaaatcccag gacaattctt tttgggaaat gttgcctact attattttaa
115681 attggtacca cacaatttat cacttaatca cattgctggc tatatggtat catcctgtta
115741 cttctctgtc ttctttctat acatctttgt ccttttcaaa tacccaaaat attaagtcct
115801 cccttatgac taaaagtata gagtaaacca aaaaatactg tctcaacctt tggggaaagt
115861 tttctaatat gtatttattt acctcctgc cttagtaagc agtacaatca atggatcttt
115921 gatggctgag acagggttgaa atggcaaaaa gacaacagca ccacttttga aaacgacttt
115981 atgtagacca cctccctggc ctacgcgtcc tcatctgaac aagaaggga cttcccagtt
116041 ctgacggtct atcgtacagc atctcagcgt tgtgattctt aaataagtat tcaactgtaca
116101 atcctataaa ggtaagagct aaacaatcag atatcacccc cagaacattc ttcggaagtc
116161 tctgtgctct gctttcttac taatataata atagcttggt ttcttatgat tttctcctt
116221 cgaataaaaa caattcctat taatttaggt ttcctgtcat ttggctttga gtttaacacag
116281 gctttacttg acaggggaag gaatgactcg gcaatcacag caacagccac acctgcagtg
116341 ctcttctggt tcccagtgct agccagtaac tggtcagatg gagtccaga gggcatgggc
116401 cacagagaga ggaagtcctc tgatgggagg gtgggcatga acccatggac atgaacccat
116461 gaaaaacagc tgtcatgtgt ctccatctct agttatactt cagggtctag tggatgaaca
116521 accaaccaac caatttggtt tataatgtag ggtttcctaa gtttaacaaat cttaaatttc
116581 ttaagcttcc agagcccact ggaaaaagat catcacaatt ctaagactct ggaaatgatg

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# FIGURE 1 (continued)

116641	aatgtcaaaa	caatctctat	tccattatct	caataaattt	tgtgacattg	atgtgatttt
116701	cacacaatgt	ttaatgcaaa	atgacaagca	actcaaattt	ccatattatt	cttttaacca
116761	tctgtaaaaa	atagataaat	atgacatctg	gtgaaagctc	taatgaatga	aaagtgcatt
116821	atttcctcct	cacagcaggt	gtgtgacttt	gggcaagtta	cttctctaag	cctcagtttt
116881	ctcatctgta	aaatggggct	tatttcatag	agttgtcctg	ggtgttcaaa	aaaataatgt
116941	attcaaaaaca	cttaacacat	cattgtgtga	ctgttattgc	ttttttgctt	atgggtgttg
117001	ttactatgat	tatcgtttga	ctagtgttat	tgttataaaa	aggacagtta	gaaagaattc
117061	tattaaacct	ctggagatta	cctcacttcg	atttgaaagc	caattctttc	tgcactgttc
117121	taagtcaacc	tatacaaatt	gttagatata	agttggaaaa	gccataaaa	tcggtgtggtc
117181	tcttttgcc	ttaatatagat	cctcctttca	accactacgt	atctatctcc	cccaattcac
117241	atcatcaaag	aaagcttaat	gcaattaaat	ggggaaagaa	gttaagatga	aattagacaa
117301	agccacatta	aagcagtcag	ctcaattctt	gacacacaga	ttggaggaca	aataaagggg
117361	tgaatggaag	agatgttttt	cttcctaggc	agcaggcata	agttacactc	ccataaatgt
117421	caataaccag	ctgtgtgact	ctgagtgggt	tgagaaacta	ttagaataga	tgacctccat
117481	agttcccttc	cagctcagcc	tcagagccca	cactgttgct	ttctgtaaag	ttaagtctga
117541	aggggaggat	cgggctaaat	attaccattt	taaaaaagaa	tgctagtgtc	attcaagaat
117601	gaagtttaat	tctcagtcct	ttggaatata	acttcaactc	atttacttag	ataaatgctt
117661	tccagtacat	ttattaagag	agcaagaagt	gatgttttga	ttaaaagtga	attctaaaca
117721	tttgctacat	tcagagcagt	actttgttag	ttatattttg	aacttgcata	tgtatttata
117781	gaagcaagtt	caacttatat	atataggact	aagagctgtt	gaaataaaaa	tttgctatag
117841	attttgcaca	tttcgggtga	ttaatcaaaa	gatttcattc	acctaataat	ttctttccat
117901	tttttttctt	aatcttggat	cctacttatc	taagcaggct	tcctttctac	tggatataat
117961	ttcaataact	tcaaaagcaa	acacaaagta	atcttatctg	tgacatttct	caaacacttt
118021	tttctaagtc	tttcttattt	catttggtat	acacaaacct	agatgggtga	gcctactata
118081	cacctaggct	atatggtatg	gcctattgct	cctaggctac	aaaccctgac	agcatgttac
118141	tgcattgatt	actgtaggaa	attacaacaa	aatggtaaat	atttgtatat	ctaaacacag
118201	aaaagggtaca	gttaaaaata	tttttttaac	ggtatgcagg	ctgaatacac	tggtctatgc
118261	ctgtaatccc	agcactttgg	gaggttgagg	tgggtggacc	gcttgagctc	atgagtttga
118321	gatcagccta	agcaacatgg	caaaactctg	tctctacaaa	aaatacaaaa	attactcagg
118381	cgtgggtggtg	tgtgcctgta	gtcccagcta	cttgggaggc	tgaggtggaa	ggatgtcttg
118441	agcctgggag	gcagaggtta	cagtgtgtgg	agaccacgcc	agtgcaccgt	agcctgtgtg
118501	acggagccag	actttgtctc	aaaaaaaaaa	aaaaaaaccc	aaaaacgaaa	aatggatatgc
118561	ctgattactg	attagggcac	ttaccatgaa	tggaacttgc	tctgggtgag	tggtgagtga
118621	aagtcaaggc	ccaggacatt	actatatact	aatgtatatt	ttataaacac	tgtacactta
118681	ggccacacta	aattttattt	ttaaatattt	cttttttcaa	tagtgaatta	acctcagctt
118741	aacataactt	ttttaccttc	taaactttta	aattttttta	aactttttta	ctgtcttggt
118801	aataacattt	agtttaaaac	acaaacacat	tagctgtaca	aaaaaacttt	ctttctttat
118861	atcctaattc	aataaaactt	tttccatttg	atacagtttg	gctctatggt	cctgccccaa
118921	tttcatcttg	tagtccccct	aattcccacc	tgttgtggga	gggaccgggt	gggagataat
118981	tgaatcatgg	ggtcaggtct	ttcccatgat	gttctcataa	cagcgaatga	gtctcaagag
119041	atctgatagc	tttaaaaggg	ggaatttcc	tgcaacaagc	ctttctcttt	gcttgcctgc
119101	atccacgtaa	gatgagactt	gctcctcctt	gccttctgcc	atgactgtga	ggcttcccca
119161	gccatgtgga	actgtaagtc	caattaaacc	tctttctttt	gtaaattgcc	cagttctcagg
119221	tatgccttca	tcagcagcgt	gaaacagact	aatacactat	ttttatttta	ttttttttac
119281	ttttaaatgg	tactgttaaa	aactaaatag	aaacacacac	attagcctag	gcctacacag
119341	ggtcaggggtc	accaacatca	ctgtcttcca	ctctacatct	tgtccactg	gaagggtctc
119401	aggggcagta	acaagcctag	agctgtctac	tcctacgaca	acaatgtctt	cttctggaat
119461	tcctcctgaa	ggaactgtct	gaggttgctt	tgcagttaat	ttattttttt	aataagtaaa
119521	agactctaaa	ataatgatta	aaagtatagt	ataggaaatc	cataaaccag	taatatagtc
119581	atttattatc	actgtcaagt	acatactatg	cataattgta	tgtgccatac	ttttatacga
119641	atgacagcac	agtaggtttg	tttacaccag	cttcaccaca	aacatgtgag	taacctgttg
119701	tgctgtgatg	ttacaacagc	tacctagtca	ctaggtgata	gaaacttttc	atctccatta
119761	taatcttatg	ggaccaccgt	cgtatatgca	gtacttcaat	gacaaaaaca	tccttatgtg
119821	atacctgtgt	actaaatggt	tgaaatattg	caactcagca	gaaattttta	atggatcatt

# FIGURE 1 (continued)

119881	tatagaaaaa	ctgctagagc	tctttgagag	acaataaaatc	caattcagtc	tgcccagtc
119941	gagcaaagac	aacccttca	gaagttttta	gaggaagcaa	gagcatatat	tctctcagat
120001	ataacacgta	tattcgtttt	tcagcagttg	caggactact	ggctggctgg	agctagttca
120061	caaggacaac	cacatcagtc	aggaagacct	gtgacccaat	ggctctcatg	tgctcatgga
120121	ctaaacagga	aacaaaattc	tgcgacccca	agtatggtaa	atgatgaatg	gcaagaaagc
120181	aactgggtcta	tcttctgac	atgtaaattc	ctttccttta	aagggaggtt	tgtctgcccc
120241	gaggcttaaa	ggcaaactcat	gaaatcacgt	gtcttctgga	aaaagacaca	ccagctgata
120301	aaaacatggg	ttctccaata	atcagttaaa	aacatcaaaa	tatttataat	tatgtgctat
120361	tgcttgagct	ggcattctct	atctctcatc	actttcatca	accaaagttt	attagggtat
120421	ggaagttgat	aaaacttaga	gaaaaatccc	aaggaaattc	catgtctttt	gtgttccttc
120481	aaactgaagt	tttcccagta	tctgttttct	ccttattggc	aatggtgaga	aggaatacta
120541	tatgaaaaga	gattttaa	ctatcataga	ctttgtcata	tgagaacaat	cctttctgga
120601	aaagaaatgt	aaacttacag	ggatttctta	agggctctca	tggatataca	ccatccccct
120661	cctccagtag	ctggttagctt	ttatgtgcaa	atgtactgaa	ctagagacct	attatatcaa
120721	aaggacattt	tcactcctaga	atatttttca	gaaaaacaag	cctcaaatg	taactcttct
120781	gtgcagatgc	aatcacccaa	tcaattcttc	tgctgattca	acattcta	aagactaaca
120841	atccattcat	tcattcttcc	atcatccag	caaacattta	ttgaatgccc	actacaaagt
120901	tcagtgttgt	aacgactgag	gctctgaaaa	tcattggctcc	aaaactcaaa	acctatgaaa
120961	ccttgataaa	gtttctttaa	ctctcaagtt	tcgggtatcct	tatttataat	actagttgtc
121021	ggtatgcagc	tactttttat	gaaccaacct	agagaaaccc	catcctcctt	attcagatgc
121081	cctactggga	ggaaggtg	tggttcaacc	tagaggaaga	ctatgatata	ttttgaaatg
121141	atcttaggat	aggacacaga	atctcaagca	gggtgctctg	gatctttcca	ctgttccaag
121201	aacaaggatc	actcaccaag	gcactaaatg	caaccatttc	tggtgcatac	agacagagaa
121261	aattaatata	tttaacaaat	gattaaaaga	agtgttcagg	aagaattcaa	tatagaatca
121321	cataactaga	atggcaacta	ttgattagat	gaggctgaaa	gggcagctgt	gtgtatttca
121381	aagggctctg	aatgccagat	gaaaacatct	gtacacagag	aggggaagac	atgaataggt
121441	ttgaacccta	aaaagatggt	tgctgacacc	aagcagactg	gactggggtg	gggagtgagt
121501	ggaggctgtg	aagccaatta	agtttgtggt	cacagttgac	ataagaatgt	aaggaagaaa
121561	aaaggcttca	atagcataat	gctttaatac	catgcttctc	agccttgagt	attgcatggg
121621	ccatttgtaa	acaattttaca	aagttaagtt	gttattatca	tagtgttatt	taaaggtgta
121681	caatattcct	tatacctata	gcgccaatga	aagtaaaacc	aaaacgaagt	tacaaaacca
121741	ggtaatatgt	ttctaaatct	tgctctcttc	ctggcttttc	gacacctcta	ggtcttccaa
121801	cctccttctc	ctaaaactaa	cgattgtctg	agagtgtggc	acttcaagca	aaagacctga
121861	gttcacactc	tgactctgcc	acttactagc	tggagactta	gggaaattgc	ttgatcaata
121921	tgagcctcaa	tttcttcac	tataaagtca	gcagaataac	ctaccccata	cagtttttgt
121981	aagaatcaaa	acaattatgt	ggaaagcact	ctgttaccca	tgagtctctca	ctaacacaat
122041	cttgtggact	tgcatataa	tgcaaaagac	aacagaagtt	tactaaagta	agtgcattt
122101	tttggagggt	ttctgaacta	ttaatatttt	aaaagagaaa	aaaatcaaaa	aatgtttata
122161	agaacaagac	aatcatttat	tcttaactac	tcaaactcag	aggatcatgt	gtgcctccat
122221	ttcatgccat	catttgcaga	ggaggaaaag	tagacagggt	gagggcccgt	gtgtgttgct
122281	gacaaaggca	aactgagccc	aggccttgtg	gctcccagat	ctgttcacca	attaaaagct
122341	acaaacttca	ttgataatgc	ttatagccag	ctaaaacagc	accttctttg	gaaagcagca
122401	cctgggaccc	ttccacaaac	tctctgcaat	gtgctaacac	aagtctcaaa	gaccgggcat
122461	ttcccaggga	agatggagga	caccacacct	cagaacctt	gctacctct	gagacaaggc
122521	tcactctoca	tgtgagagac	ctcacttaag	tgaaaagagg	gaagcagtaa	tccagctcag
122581	gatcaataga	aagaatcaac	taagtcttcc	tgtgtagatc	tatttcatac	caaggacttc
122641	atgtcttcaa	tttggaaaga	agttcaaaaga	aaaaatcagg	gacaagatta	cacaatttat
122701	aaactgactt	cacacacatc	atatttgcac	cacatggtca	ccatgctaga	ttgatattat
122761	gacccaaaaa	cactctccaa	caaaaacaac	atgtttattt	ctattgtctt	aatcttaagc
122821	aaaaaatttt	acttgatttt	tccgtttctt	ctgttcttgg	agaaaaactt	ggcacacctt
122881	taaagcagta	gtgaacttcc	catttttgag	gaggcttaaa	tattatttat	aaaaatagca
122941	aataaaatgt	tacccaccca	ttcctccttc	ttgaaattaa	tatggtacag	tgccaaattc
123001	cattcatcct	ttcacttatt	cataaaacaa	acacattggg	agcaccacag	atatgccacc
123061	attgttttat	cctggaggac	ataaaaatga	aaacaaccaa	agtctctaca	ctctgatcat

# FIGURE 1 (continued)

123121	aaaatcaata	ttaataaaaa	attatagccc	gcaatgtgga	ctgatgtcaa	aaatcatgaa
123181	ttcagggtaa	aaagaaagt	actaaagact	gggatgactg	tacaaataca	caggaaagaa
123241	gtcatcaaca	aaaaattcta	aaaatgcctc	aagggttggg	ccattccttc	gagaacagca
123301	tatatagtag	ggcctgtgat	ggatggccaa	tacaaaaacg	ctctgacact	aacttaattt
123361	gcaacttaac	aagagtatta	actgtgtact	tttaacataa	aataaaatgg	gtgactatct
123421	ttccacaact	tttaatat	attctgtgtt	ttttagcttg	tccttttaaaa	aatgaagaat
123481	ccattaacat	tagtttttcag	gttaccatct	taggcaacta	aatatgaata	atcaatgcaa
123541	attaaccaat	attatataag	gaaatttgac	ttatctttca	acctaagcag	acatgatttt
123601	tttttttttt	tttttttgag	atggagtctc	gctgtcaccc	aggctggagt	atagtgggcg
123661	gatctcagct	cactgcaacc	gcttcctggg	ttcaagtaat	tcttctgcct	cagcctcctg
123721	agttagctggg	attacaggtg	cctgccacca	tgccaagcta	atTTTTgtat	ttttagcaga
123781	gacgggtttt	caccacgttg	gccaggctgg	tctcaaaactc	ctgatctccg	gtgatccgcc
123841	cactcagcc	tcccaaagt	ctgggattac	aggcgtgagc	caccgcaact	ggcctaaaca
123901	catatgataa	tctatttctt	taataaagat	aacttaagtt	tgcttaaatt	ctctataatt
123961	acaaaataag	aatgtgttac	taagataaga	tttttaagat	agacatagca	atagctagct
124021	catcctgaat	gatctaattc	caaaatcttg	catatatattg	actgcttcct	atttagaagt
124081	tgtatttaaaa	gtcaatggat	tcttcaaaaa	gcaaaacatt	gagctgccgt	atgaccgaga
124141	aactccaccc	ctaggatatac	acccaagata	actaaaaaca	tgtccacatg	aaaattagta
124201	taccaatgtt	catagcagca	ttattcataa	tgcctaaaaa	gtggaaagaa	tccaaacgtc
124261	caagtgacta	atgagtaaac	aaaatgtggt	atatccatac	aatgaaatat	tatttggcaa
124321	taaaaaggaa	tgaagtacta	atacatgcta	cagaactgat	gaactttgaa	aatattatgt
124381	ttagtgaag	aaactaaaca	ccaaagacca	catattgtat	aattccatgt	atatgaaatg
124441	tccaggctat	gaaaatccat	agaggcagaa	aaaaatcagt	ggttatgcca	tgaaatgggg
124501	agtgactgct	aatggatata	aggtttcttt	tgagggtaaa	aaaagtattc	cagtatttga
124561	tagtggtgaa	ggatgtaccc	tctgtgagta	cagtaaaaaa	cactgggctg	gacgccgtgg
124621	ctcacacctg	taatcccagc	actttgggag	gctgaggctg	gcggatcaag	aggtcaggag
124681	atcgagacca	tcttggttaa	catggtgaaa	ccccgtctct	actaaaaata	cgaaaaatta
124741	gccaggcgtg	gtggcggggc	cctgtagtcc	cagctactca	ggaggctgag	gcaggagaat
124801	ggcgtgaacc	caggaggcgg	agcttgagct	gagccgagat	cgtgccactg	cactccagcc
124861	tgagtgaacc	agcaagactc	ctcctcaaaa	aaaaaaaaaa	cactgaattg	cacacttttt
124921	aaaaagtga	cttcactgta	tttgaattat	atctcaataa	agctgttatt	ttaaaaaaaa
124981	aaaaaaaaag	caatggcttt	tcaaatcctt	cctgaacttc	cttgccctct	ttttgcctgt
125041	ttttatttgt	gtctgggttaa	tttctctata	tataataaat	aaaaataatt	acaggataaa
125101	atatgagaga	tttgtcagtg	tgtatatcac	tataacatgt	tcattctgga	atTTTTattg
125161	caattttgct	tctaaaattg	gaacgtaata	atgtagaaaa	ttcagtgtca	ttgggtactg
125221	ttatgacagc	aagaacttct	gaaatgtttt	ctaaatatgc	agtatctcta	agtccaagga
125281	tcatttcaaa	atatgaaata	aacacaagac	ttagtgtgac	ttctttttta	cttctatccc
125341	ttctcccatc	ctcacaaaac	cagtacccat	ccatgggaaa	acagaaaaat	ggccaacctc
125401	caactaaactc	cagggggcaag	aatgaccagc	atgccctagg	attgagagag	gaaagagaga
125461	aggagggggc	tgtattttctg	ccttgacaac	gtagtaagta	aaacgtagca	cactggtgcc
125521	cgtagtttca	accagtggat	tagcagcccc	accttctagg	tgaggctaga	gaggggtgaag
125581	aaaggggcaa	catgtccttg	agttctgtcc	ccatgcctag	agagaggaag	aacaatctcc
125641	tcccagacag	aagcactcag	taaatgcagg	cagtttttat	atattctcta	gcccacacga
125701	cattcaataa	aggctcaaga	aaggttagct	gaattgaatt	atcagaaaag	ggtaggggga
125761	ggagagatca	ctgagtattt	atgagtgtgt	aacagtttta	attgaatata	agtcaattgga
125821	tcaatttctt	gattataaat	cttacaatta	gatttcttca	atcagcaagt	aacttttggc
125881	agattttagt	aacattaatg	cactttctag	cttaaatgaa	aaatggctga	taaaagtcca
125941	aaagataaag	tacataagta	agaacttact	tggttaaaac	aaaagattat	ttagagtaac
126001	atTTTTattta	tttagaaaaa	gaaaaactgga	aattagtatt	atctaaattt	ttaatatctt
126061	catgctaaag	tttagtgaat	tttcttatgt	gaagtagaca	ccttaattctt	aaagcaataa
126121	ttggctgggc	atgggtggctc	acacctgtga	ttttccacgc	actttggggag	gttgaggcag
126181	gtggattacc	tgaggtcagg	agttcgagat	cagcctgggtc	aaaatgggtga	aaccccatct
126241	ctactaaaac	tataaaaatt	agttggaaat	gggtggcgac	gcctgtaatc	caagctactc
126301	aggaggccga	ggcagaagaa	tcacttgaac	ccagggatgg	aggttttagt	gagccaagat



# FIGURE 1 (continued)

126361	cacaccactg	cactccagcc	tgagcaacag	agagagactg	cgctctccaat	aaaataaata
126421	aataaatcaa	taaataaatg	caataattag	aaaattaacc	atttgaacag	cttttgacgt
126481	ctctagtggg	aaaacacact	agattgttgg	tatgcaaact	agggacttca	aaatattaag
126541	gagctacata	tttccctggc	aattttttct	cccatttatt	ttcttaacaa	actctatttc
126601	aatatataga	acaggggttaa	cttctactta	cgtcacatcc	aaatgatgag	atggctttct
126661	gtatacaata	gatctggaca	gataattggg	aagcagagca	tctgctacaa	attttgactc
126721	atctgagcct	agcttagcta	atgtaaaagt	ttaccactta	aattaatccc	agattatttt
126781	gtacaatcct	attacttggg	tcatttttta	tactaggacc	taataacatg	attacattaa
126841	gaaaaaatat	gaatttatatg	aaaattagaa	aataattcca	aatggatttg	gttcattcac
126901	cttgaattca	aagatgacca	ggtatttttc	tggacagtac	gagtggaaat	tcattttgcc
126961	caaaatgctg	aaaatatgac	aatctagtcc	caaagcacta	tgggtttggt	tatagattgc
127021	agaactaatt	aacttttatta	ccttattcct	tcctcaagt	catacaccag	agtaaaactg
127081	cctctataag	agatacagct	tcctaaccac	acataattaat	ttttgggtca	tatcaagtag
127141	agttctgccc	agctggaagt	cactcttttt	ttccactaag	actgcatggt	tttaacatta
127201	cttgaggata	taaaaatatt	agttaatcag	ccattcagga	gctgctctc	ctgcattcca
127261	ttaacacott	ctaatacagc	ataaacattg	taaaggttat	attcttggac	aggccagaat
127321	gtctttgaaa	aattattaga	tcacccccag	aagagaacta	taacacaaat	gaatgagtca
127381	caggactaac	tagaagcagg	gcagtatcta	gttttcagaa	atacagttaa	ctaccacatt
127441	aaaagacttc	ttttctaatg	ttcaactgct	ttcacctctc	tttctggcta	tagttggagt
127501	gggggaaagg	gctgtgagga	ggggaggaag	atcattattc	aaaggcacc	aagcaaaaaa
127561	ctaggcaagt	tgtattattt	taaaatatta	attaataaag	ttatactggt	tagcaggagt
127621	ctagatgtgc	catacctaaa	ataaatgtaa	tcaagcccc	caaaattata	aagttttaaa
127681	gttttagctac	aagtataaag	tttagagaag	ttgaaaaccc	agcaccacga	agagttcttt
127741	agaagagttc	ttttatagtt	ccattatcta	ccccaaaaag	gaggcggaag	gatttagcag
127801	gtaagatggt	ttgaagtaac	agatgttctg	gaaattaagg	atatgtagtc	acaggccctg
127861	caactctcaa	ttaatttgca	caatgttgc	caatgaaaaa	taatgagggtg	gatacattaa
127921	tcagcagtga	ggtcttctct	agccttccac	actcaacagt	actgagaaat	caaatcgact
127981	tccttctgcc	tcagctggat	agggatgatt	atcttactat	ccaacactag	actgtaagg
128041	taagaaaaac	ccactaaagc	actgaaaaaa	aaaaaaagac	tataattaat	gctttgtatt
128101	aactttaaaa	gaaagtccat	taatttggta	acagaatgca	agtgtgaatc	ctattaaata
128161	gcactcagga	aaggcaaaac	attcacttct	aattgcata	ataaacgaat	ataatgtcat
128221	aaaataagag	accataaaatc	aaaatacagc	taaagcatta	ctgtcctgta	tattctatgc
128281	attttctcac	tggcaaaaaa	actagcaaaa	acccaaaatg	acataattcaa	agcataatct
128341	tagacagcaa	ccttgctaaa	ctcaaaacag	cttccctggt	taaaattttc	ttctgaaaaa
128401	attaattctg	cccaaaaata	caagattcat	aatgtgcaaa	ataaaaaatc	ccttactggt
128461	ctattgttgt	ttattattgt	tatctattat	tgttgttttc	aaatcctcta	aataccatat
128521	aatagtgaca	aaatttaatt	cgactttttc	ctacttgaaa	acgagttagc	cacattatta
128581	aaccactga	cacttgtgta	tatgttttca	acaaaatcta	cagattcgcc	aacgttgaat
128641	ttctaagtac	accacaaata	attgatata	caaggggaaga	aatgtactcc	ccagagaaca
128701	taagatatata	atataaatag	tatataaatc	ttaattgtat	ctaaacagat	acaaataacc
128761	tctatatctg	tctatgtgta	ttcaaatcta	cggtaaatat	atccaaactca	ataccagtc
128821	cgattttaatt	ccaacatgga	gtaaagggaa	ggtaatgaaa	attcccttag	acctctatgg
128881	tagctgcagt	tatattcaaa	tcaaaacaat	aggaactgta	cttggcacia	tcataatata
128941	gccttataat	ataagggttag	gaatgaaaat	ggactaaacc	attttcattg	aaggtaactt
129001	gggcagaagt	aacaatgtgc	aacgtattga	gaaaaataag	gtgtgaaaca	aaaggggttg
129061	cagaattaag	ttccaggata	aaatactgtc	caaggggaga	taaaaaagga	aatagacaaa
129121	agtctcaaag	ggacaactag	gtttttaaaa	tgtttcttac	aggcattatt	cagtgtacct
129181	atgctctatt	taaactctac	ttcatcgcca	agaaaaagaat	ttcatgcaga	tagatattgt
129241	gcaatggaat	gtaacaaagc	attgctccaa	ggtattgttt	attaatttct	gtcactgatt
129301	ttggatccat	tcctaattgg	aactaaaagc	tttttgaatt	gaaaacatta	aagggctggt
129361	aaaagaaaca	aatgcagaga	gcagtacatc	ccgcagcata	accagccagg	gtgggtgggg
129421	gaaggggtctt	cacattttaga	cagcactggc	aagaaagcag	gtttttttaa	tactactaaa
129481	attatgttag	ttttcaacaa	ctaaaaatat	tctgcaatag	ctgtttcacc	taaggtaatt
129541	tattctactt	agaaaagcaa	ctaattgaatt	gataagtcaa	ttgaaaagtg	agtgagtcac

# FIGURE 1 (continued)

129601 atttttaatg tcaaattgca aaattcttta tgcttgaaaa gaattagaat taagaaatct  
 129661 gctaaaattt tggctaaaatg agcacatttt aaggggtttt taaaagaaaa atttaagtct  
 129721 cctcagacct atataaaatt ggtctagaat ccatccattc atcatattta tttacagcca  
 129781 agccaaagct cattccttta ggactacagc aaaatccagc aatcaacctg tagccaagga  
 129841 gctgaatatt catagagaaa aatcacataa gcaagcgaat gtattttatt ttagattcat  
 129901 tatcgccacc ccaataacctg ctcttctctc cttcaaccac cccaacacac acacctgacc  
 129961 ccaatctcag atgatgacct tacatttcac tgggaaaaca aaacctttta ggtaagagct  
 130021 cccccaatcc ccaccatcaa gttacaaaacc ttggagcatc catttccagt gtccctttgc  
 130081 cccctcctat taccaggag agatgtccct ctctccaaac aataactaagc tccctacat  
 130141 gtgctgtcga ccttctcaa agcacaaaag acccatccta gggaagaaag tgcagggatg  
 130201 cctgggaagt atctccctcc tctctaactg taaaaatac acctaatttt ttaatgtagc  
 130261 tatttctctc cactagaata taagctccat gagagcacag acattatctt gttcccttgg  
 130321 ctgtctaaca catgcaaggg tgtccatttt tggagctgtg aaataaaaaat tccctaaata  
 130381 tttgttgcaa gtccatctct ctattaagcc tcccccttct cccaccactc ccatcgaaag  
 130441 cttcattcat tagcatgacc ccagctgcat ccagggaataa ttaattacta catcttttgg  
 130501 gctcccataa catttgaatc cctcctacaa cacagaagag acatttttat atacattctt  
 130561 cctaactcog attctcattc cacactataa aacaaggtag ttaagaggaa cgaactgcctt  
 130621 atttatcggt tattagatcc taaatcaatg cctgaatgag ctcaagagag tttctttaac  
 130681 tgtactgagg agaaagtcca aactacttta tgaattgatt tctaactcat cccctacttt  
 130741 ttcaaaagaa atagttaaga taaaatacct atttaataaa taacaaaata ttacttttct  
 130801 ttacttgcag aagttattta gtcatgaagt agacaagcag ggtaccactt aacactaatt  
 130861 taatggaaag atagtctaag tttgtaatga gaaaacggaa aatgggtttt cccaagggtc  
 130921 acagactaag gcagtggcaa agtcaattaa ctactcttta tcttaccac accaaaaaga  
 130981 gctttcattt cccaccaacc cacatccata gatttcaaga tttttattat tatggaagta  
 131041 gttgataatt ttgtctatta gtaaaagaag agtaaagttt taattaatta tactgaataa  
 131101 aagtgcaggg gtgggtggag ctattaaaag aacaaacagg ttttctcttg ggctatacca  
 131161 cagagagctg aacaaaagcc acttgaagaa aactccctca gagtacaaga gctgcttttc  
 131221 tctgtagatt cttacaagat aatgatcaag caagaaaaac acctaatttc ctttttttct  
 131281 tggattctta tatttcccag agagattata ttcacaatgt ggaaagtga actgttagaa  
 131341 gaatctcact tacttattaa cccagtaaa cttaaaaatt aaataaaata cggcatcagc  
 131401 aatttggagc ctctggttaa taataaaggg tataaacagt gaagcaagaa actctgcgtt  
 131461 aatcaactat gtcgatctgt cattctgtgt ttccttaaag tgaaaatggg gaactatgct  
 131521 gaaaaacaaa ataagataaa cctttgtgtg tgactaaaaa tctagccagc cgagtttctg  
 131581 gctagcagat atggcagaat ggcatttca agacttgga agactaacat tatctataag  
 131641 tccgcaattt acaagaagta gtttaacag tgacatgaaa aagataagaa aaggttccaa  
 131701 ataaagttat tcctattatg atttcaatat tgttatttgc atgaatgatt atgaactatt  
 131761 ttttcatcca ttctgttcagg cacttattta taggaagtac tagaatgtca cagaggtaat  
 131821 aactaaactc ccaattgttt aaattttttc atagtgaata taaatattca tatggaaagc  
 131881 ttcataaagt aaatagtctc aaaaataaac agaatgacaa aataaccagt taaatcacac  
 131941 tatcaaagtg aatgaacca aattttttta tttttcaaac tatacagagt cctcattttt  
 132001 cagctgctcc acatctaagt gttctctgtt tttcttagcg gcagcactga acttcagagt  
 132061 caatcaagtc caattttttag gatgcctttg gaattgaagt ctttaagacca caactaacia  
 132121 aaagcaagta ctttgcctct tcacagcagg atgcagattc ctttttctaa gcagaattcc  
 132181 agacattcca tgagtttctt ataaaaatag atgtccattt taaagtaggc cagcctgaac  
 132241 tcataccagc ataaaatagc caagaagcac acttatgact gtgaggttta catctgctct  
 132301 tgtaagcaaa ctctagagat taccattctt cagctccacc ctaaaatctgc ttctcagctc  
 132361 ttcttacta tcacaagaca gtgggcgctg tgaaaagatg gcctagtggg tcaaggaaaa  
 132421 accattgatc aggagagctc tgaggacaaa catggacgag tgcttgactt tcccttcccc  
 132481 ctccaaataa actgctgcat tagaaaactg atattacatt taaaggttat caottctcat  
 132541 aactcaatga cttgattaaa gaaaataatt tttttaataa atcaaaagta ccatgagttt  
 132601 tttttaacat gacacaacag catacactat aatatcatga agagtacaaa gcttaaaaaa  
 132661 agaatttaag tgtagacatc agagtaaagg cctggttctt agtctctggg agcacatgta  
 132721 gagcttgact taagtgggat ttacaccggg ctctgtctat ccttagatgc cccaggaggt  
 132781 gagatggaaa gcataggctt atcagaagag gattgtgtga cctttttaag ccttttatct

# FIGURE 1 (continued)

132841	aaaaagactt	atcagatccc	tactctgtgt	caggaccgtg	cttggcaact	gtaagccgaa
132901	acagacccag	tcactgcctt	tctggagctg	aagcttgctg	agggaaacag	acaatcacac
132961	aaaggaacac	attattacct	cccattgagca	gttctaggag	gcagtcttag	cgggagagtg
133021	agagagagag	acccaatcta	ttccagggat	cagggaaagc	tttcccaaag	ggagaaatgt
133081	ttacaccaag	tggaagttaa	ccaggcataa	aaggaaaggg	aaaggacatt	ccaaaattag
133141	aaatcaatth	aggcaaaggg	ctgaagcaag	aggggcaaag	cctgtcagag	gaattagtga
133201	gtttgaaaag	gcaggtgttg	aggggttggtg	tctagttaatg	taactagtga	aagttgaggc
133261	tggtgggtgc	taggccacag	ttcatgtcta	gtcttttcagg	ctttattaaa	gtcctgagaa
133321	gcagagaata	acatgaccag	aatgtctgta	gagtgaagaa	cggggttgaa	aataaaccta
133381	cagcagacag	gaggaaaaca	gtggctggcc	tattgcagta	aacttaggat	aataatggta
133441	gcctaaacca	agaggttggtg	aatggaaaag	agagaagtgg	gccgttttta	atgatctcag
133501	atacagtact	tttgatgac	ttctaataag	ctatatcatt	aaattttccaa	aaaaaaaaaa
133561	aaaacctggc	ccgtaataag	cattccatga	atatttggtg	attcagttaa	tcttcttcat
133621	tccatgcttc	ttccttcttc	ctgcctttt	ttgtgaagtc	ccctccccag	gtctgtctgg
133681	agtggaccca	ccttgcagaa	gcaattttctc	cagaacaaaa	atctgtcaac	tcatatctta
133741	atatgtcgac	actaaaggaa	taagaggata	caaaggaaaa	atactaggga	gaaaaattct
133801	ctctgtcttc	aagttgaaat	tttcatgtct	ctaaccagca	ttttgcagct	tgacttcttt
133861	tggttattta	agaaaattag	cctatatgtg	gtttcctgct	atgaacacca	gggtccatac
133921	tatgtttcat	ctacactatt	taaatgacat	gccaaacttca	ttccttttat	tgccagatca
133981	gtcccttaga	ggtcagagt	accgtgtcac	ttgtctggtc	acagagccag	agagaacatg
134041	aactgggaga	tcaggtcagt	tggaatctaa	accagcctt	tccttgcttg	cttaccacac
134101	tagttctcaa	gtagctacaa	ttccttcgcc	tcgctttttc	ttcacatata	ttgactggcc
134161	accattttaa	aaataataaaa	tacgtccact	gcagcatgat	gttagtttgc	tgaaagctag
134221	gaataagaca	caggttattc	tttctagtgt	ggcccagaat	taaccataag	atcttaagca
134281	aagtattctg	cttctatttt	ttcgttggtc	agatgaagat	aatgatataa	gtatatgaat
134341	tatgagtatt	attgttagta	atgagagttc	taagcagtag	acacagagag	gtgccactcc
134401	atgcccttca	agaaaaggcct	ttgtgcccag	ctgtggagtg	gggtggtcagc	agacagcctt
134461	caggaggcag	caaccttagg	gccagcctca	gtgtcagagt	gctgcttgcc	tgagctctcc
134521	cactttccaa	gggtggccca	attcagtcct	tgaacaaggg	tgacagaagg	gctgtccact
134581	tcagcctaca	caggccgcca	ctgtctagaa	accttgctg	cattcacaag	gcttgccagg
134641	cctgcatggc	agttcagctc	ctctctctac	ccaaaactgc	ttcctcccc	ttccttttac
134701	aagtaatgat	tcctaataaaa	catcctgtac	cccaaattct	atcttggcag	tgcttctaaa
134761	gaacccaaac	catgacactg	tgctttctta	ctttggagat	attaactagg	tcattcataa
134821	acttaattac	atatttgaag	tgccaagaac	aggcctgttg	agtaacttga	tttgaagtgt
134881	ttctattaat	taacagaaag	atatctttat	ttcatatttt	aaacaaatca	agtcctagtt
134941	gatagccttt	tttaattctca	atttaattat	atgccaaagt	tgaacattca	agtttttata
135001	ccagataact	ttggaagaaa	gttatgaggc	taaaaattaa	aggataaaac	taaattggga
135061	catctaatat	aattagagtg	tcatttcagt	gacaacaaat	acatttcagt	ctagttttta
135121	atgtgttaca	caaagctggt	tctataagtg	cttggcatca	ataaattaac	aaccagcatt
135181	tttgccagca	aagccagcag	catgcatata	aaaccaacaa	gggatattag	gccactgcc
135241	aaagctttat	acaactagt	tcacttaatt	tagttctcat	atcagagtgg	aatcatgctc
135301	gttctggaaa	agtattttct	ccaacctctc	cggaaaactgg	aaattaatat	atttctctgc
135361	ttgcttatag	ccaacactac	aatttttact	ttatctaaat	ctggaggtaa	tgtttaaaga
135421	ctgtaatttt	aagctatcca	agttaggata	agtttttaaa	cattacatgg	atagtgggtga
135481	taacaagtga	aatggtcatt	ctaaacctct	aaataatatg	accactgaat	cagatatgca
135541	tagagcccaa	aaggctcttt	cattcaacgt	ccagaatgta	ttcattcaaa	tattatttag
135601	tgagcaccaa	ctatgtgcca	gtcaatgtct	gggtaggcag	agctattccg	atagtgggtta
135661	tcttgcttgg	tgaacagaaa	caggaatgca	ggaaacaaat	tctgcaaaa	gatccctaca
135721	cttaagaaat	ggcaaaaaat	atactcctac	atatttaaaaa	taaatgaaaa	gaaccatata
135781	ttagatgcaa	acaaaagatt	catgattatt	ttctctcttt	tgtctttttc	ttttcttttt
135841	tttagagaca	gagtctcgct	ctgtagccca	ggctggagtg	cagtgggtgcg	atcatagctc
135901	actgcagcct	caatattatt	ttcttaatgg	tgtccaaaag	aatactgaag	aaaggtcagc
135961	ctggaatggt	gaacctact	tatttcatag	gcagaaacag	ctgccaggtt	ttgggtcaact
136021	gctgtcttac	taagactgcc	aaatggaaa	cccaataggg	ctgccatggt	atactgcatg

# FIGURE 1 (continued)

136081 tcattcaaatt gttaccaatc acttaacatt cattgtaaat actgagtgtt taggaatgcc  
 136141 acagaaattc tggagagtca caaacttcta aagggtgctg aagcacttac gcaacatttt  
 136201 tataagcaaa atctgagaag tatgatacta tttttcattt tagaattcag tcatattctt  
 136261 cactaaattc aaaaccaaac cacatatata ccactcaggc cagagggagg ctgaaaaaat  
 136321 aacacttgac aaactgacag aaaaatgcta cctcctgcag agaaatagag gtgtttaaac  
 136381 aaatcagggt gattcttggt tttattaatg tgtaatcatt tacaggacat acttcatttg  
 136441 caaagaaaat acttggtcat caagttgaaa gatgaatgat aatcgctttt tgagcatttt  
 136501 atattaactg gattaaggta gggaaactagc agaagggcaa aaggcaaaaat ttaacaattc  
 136561 ttccataaaat ttatttgtca atttttttgt gttccagaga agaaaataat tttttttcac  
 136621 gttttccatc actcccaaac aatttttaaac agaaaatttt attattttat ccttttagttc  
 136681 attatgatga attaaatact tgataaaagg agaaaagtaa actatctttt tatgttgatt  
 136741 ttttttaaaa agaaaaccaa ctggtgtggaa tgagggaatc agagactaat tatatgaaga  
 136801 ctatgttaat gtttaatttg gttatatatt aaaaaacctg aaggctcctg cagactgttt  
 136861 tcattctatg ctactacccc actcctgggc gcaaccacca aatttttagtg ccacctcat  
 136921 aaatgccaag ggagtaagtt tatttttccc aaggttcaac agagatctct tgtgcttagt  
 136981 ctgagggcag tggagtccctg cattaatgca tatttttatt aagctctcac tttagtttag  
 137041 catgcaacag atattttcca aaggttttta taaaccttcc tagttttctg acttaaaaaac  
 137101 ccaaaatata gtcatgaagc ccacgtatct aaatattcct gctccaaagt gaataatgca  
 137161 aaaatctctc aaagttacca ttctcatcat taaatcattt tagatttaat tttcagtgc  
 137221 aaataaccaa atagccccc aagtttccag aacctgttgc ctcagcaggg agctagcctt  
 137281 cccaaagagc acagagaatc caactagagt cacctacca ccaggctctc ccagatacag  
 137341 gttccacaaa ctttctgca tccagaaaat ataggaagag ataaagacct gggggaatag  
 137401 catttgcata agcagcgggt atgactgtgg gttttggagt caaggagact agcgactacc  
 137461 tcctgatttt gccattact aattgtatga cactgggcta gttgctgaat ctgtccaagc  
 137521 tcagcttccc tgtgtcaaga tgaaggcgtc aagatgaaga tctgctttag ggaattcggt  
 137581 gagaatccag caagatgctg agggtagggc attcagcaca gcggtgcct tagcagtgt  
 137641 ccatgaagag gcgattgctg tgattactgt cgtcctcaac attgtgatca gcccaaacac  
 137701 ctacatctgt cagctatgct tagaaagggc ttggctgtga gcaacactat tgactgtctc  
 137761 tcccttctct ccaggaatag tacagacaag atagaagagt cagtgggtga gaactaagag  
 137821 gtaagaaat tttggcactg cggttcttta taacacttag gaattaaagc aattggcacc  
 137881 ttgagtacac tcaagggaat atcagatcag tggctgaaa gtgcatccag tatacttggg  
 137941 aatgcaaaaa ttaattatat ttgatggcga tataataata atagtaataa agatacactt  
 138001 taacacaaca acctcagagg taatatcaca cagatttttc agataactca cggtagttat  
 138061 taaaattttc gaagaccaca tagctggtaa ggagaagagc caaaattaga atctaagtct  
 138121 gtttcattcc aaatgttcat aatcactgta atctgttcca agtgtcctcc caacaagcta  
 138181 gaagcctcat acaaaaccac tacatgatgg aatcagatgg atgagatggg gtaggatgga  
 138241 aactcatggc atgctcaata cagaactatg tggcctaaaa aaccagaaga aatggctcagg  
 138301 ccttctacag aacattccgc acaaagtgtc aatctaaaat gagggccatt aatcatctgg  
 138361 taattttaag atcaaacaac tgagaccaca ggataatcac ggaacttgct agtoctagaa  
 138421 cgtatggact ctaacgcata tgtcagtcac gacatcaagt ctcaacaaca aaaactgcc  
 138481 aaaagggtttc tgaaaaagag aaactttaag aataacaatg aagaacaaat acggacattt  
 138541 tttaaaattc tctttttact aacctaggag taaacgcaac acagtctcat aaaagcaaat  
 138601 atcaaatttc cttttttaac tacaaagtta gattaatcat aatccttagt tcgtaacaca  
 138661 tatgcttttt gtttaagagc cagggtctca cttggctcatc caggctagaa tacagtgacc  
 138721 caatcatagc tcaactgagc ctcaaacctc tgggctcaaa gaatcctcct gctcagcct  
 138781 cccaagtagc tgggaccaca ggcacacgac accacacctg gttatttttt tttatttctg  
 138841 gtagagacga ggtctcgctt tgtttgcta gccttgctc agactccgt cctcaagcaa  
 138901 tctcctgcc acagcctccc aaagcactgg gattacgaag atgagccatt gagcctggct  
 138961 cgtaacacat acatttatct ctccttaatg gtccatgcac ggctgcctt tatatttaac  
 139021 catttatatt ttatgcatgt atttgtatgt tttagataat acgatacacc ctcatgaacc  
 139081 caccacctga cacaagaact agaacattaa aaatttacac ctatcaagt tttctcttca  
 139141 acccactgc attaaactgct atcatgaata ataataattg gcttattttt ctatatatat  
 139201 atcatatat ttgtatatat cttaaaagca tttttttagt tttagtttta attttaacac  
 139261 attaaaagtt taaaggagaa aaaggatgtc atataaatag attcataaaa gcatttaata

# FIGURE 1 (continued)

139321	aaatthttata	taaatccctg	atataaaactt	tagtaaatta	agtatagaga	agggaacatc
139381	cttaaccgga	cccgatttaa	tttttttttt	tttttctgag	acagagtctc	gctctgtcgc
139441	ccaggctgga	gtgcagtggc	gcgatctcgg	ctcactgcaa	gctccgcctc	ccgggttcat
139501	gccattctcc	tgccctcagcc	taccaagtag	ctgggactac	aggcaccac	caccacaccc
139561	agctaatttt	ttgtagttht	agtagagaca	gggttttcacc	gtgttagcca	ggatggtctt
139621	gatctcctga	ccttgtgatc	cgcccgccctc	ggcctcccaa	agtgtctagga	ttacaggcgt
139681	gagccactgc	atccggccaa	aattaagtag	aattctagtc	aaaatcgtac	atgggtcgtt
139741	catggaactt	gagaaggtag	ttttaaaatt	cacatggtaa	aacagccaag	atacttttga
139801	aaacgaaaa	caaggagggg	acctgcaccc	tatcagatat	cagcatttct	tacaaggcta
139861	agacaatcta	actctggaca	gggagagaca	tattgacctc	tggagtagaa	gagggtccag
139921	aaapaaaaaa	atcccacaca	tatgcataac	tttaatatat	gacagagatg	gtgagtttat
139981	gtgaataaaa	atgaaaactg	aacctccatt	ttacattaca	caaaaattaa	ctccagatgg
140041	atfaaggact	taaaatatca	gaagcatatc	tttaaaatgt	ttagtggaaa	atatgtttta
140101	aggacttctt	tctgaatctg	ataaaaaagt	atthttttaa	gacacaaaag	taccatttat
140161	aaaacaagat	acagtatttag	taaatthtgac	tctthttaaa	acaaggacat	acgaccatca
140221	aaagtcacct	tataaaaaagt	ggaaaaaagc	tacaaaactgg	gagaggatag	ctcccatctg
140281	tataaccacc	aaaagatttag	aatcaagaat	atataaaaga	cttctataat	aacaagaaaa
140341	actcagacaa	ttcaaaaaaa	actgggcaaa	agacatgaat	aggctthttt	tttaaggggg
140401	gggtggaata	tatttagacat	aagtatttga	ataaatattt	gacctcatta	gtgatcaggg
140461	aaatgcacat	caattataaa	ctcacataat	tggcaaaaat	ttttaagtcg	gatagtagcc
140521	agtgtttcaa	gagaatatgg	atgaaccaga	tttcttaaat	attgtctgga	ggaatgtaaa
140581	ctggtacaac	tactttggaa	ggcattattg	cattatctta	taacattcag	atactctata
140641	tctgtatata	tacattcctc	tgtgccattc	ctctgtgaaa	tgccattcct	ctgtgaaaac
140701	tagaggaaat	tttgtacatg	tagagcagat	aacatgtaca	agaatgttta	tcacagtagc
140761	attcataacg	aaaatctgaa	aataacccaa	atgtctattt	gagaaaatgc	agaaaataat
140821	ttaggtacat	tctcactatg	gaatgttata	cagtcctaaa	aaagggtgca	ccactgcata
140881	caaaaatata	gatagatctt	ggcagcataa	tacagactga	aaaattaaat	cctgaaagat
140941	gaccaatacc	aagatactct	tttatcaaat	ataaacttaa	atataaaatg	taaggatata
141001	ttaaaccagg	gatcaacgta	acaatcaaac	tgaatccct	acctcaataa	aaactgatct
141061	taaaagtaca	aacctccaga	atthccatgg	tgtcatatgc	agtctccttc	acttatttca
141121	tgtgataaa	ttctgcattt	catcaagatg	aagtgtagatg	caaatagata	aaaccacaac
141181	tgtacagcag	tagatattac	acctctcttc	attatttatt	aggaatagtt	tgctgtctca
141241	cttaagaatg	aatatcctag	cgctttggaa	ggctgaggca	ggtggattgc	ctgagctcag
141301	gagttcgaga	ccagcctggg	ctacacgggtg	aaacctgttc	tctactaaaa	atacaaaaaa
141361	aaaaaaaaat	agccgtgcgt	ggcagtggtg	gcctgtagtt	ccagctactt	gaaaggctga
141421	ggcagaagaa	tggcgtgaac	ccggaaggcg	gaggttgcag	tgagccaaaa	tcgcgccact
141481	gcacttcagc	ctgggtgaca	gagtgagact	ccatctcaaa	aaaaaaaaaa	aaaatgaata
141541	tcatacctca	tacactcagt	cataaagagt	cttgagaaac	tagtggacca	gaaaaatact
141601	aggtgtatta	tcttgaaaaa	gcacactctg	gaaaacagct	cagtcacatc	attcatcttg
141661	ccacaataca	gtgtccatct	gtgaccattt	ttgagtgaat	aaggtcatac	atttgcttaa
141721	agataatttt	tgggcccagt	aaggaaatct	ctthtagctc	taaattagaa	gccagaggag
141781	cctggcagcc	ttcacatgtg	agaaacctat	tgagcagtag	atagaataat	tattcctgaa
141841	gactgtgtgc	tctggatata	ttcctgaaga	ctgtgtgttc	acggagcagc	tcagtgtctc
141901	gtgaaaggca	catttgccct	cccaactctc	agaatatact	aaaaatgagt	ttttccctct
141961	cctaaatgtc	attagcatat	tctgataata	aacaactgtc	tttaatagcc	agatatttag
142021	tatagtagtt	atacatatat	agagatgtag	ccactcagcc	tattgtcctg	aaaactggaa
142081	aatctgtctt	tcctgtccta	aatattaagg	aagtacatag	cagatgtctg	agaatctgta
142141	aaattaaatg	taacaggatt	accatgagtt	ttcacttact	ataggatttt	agattccatt
142201	cttacatgac	ttatccacac	tgataaaaga	tacgcataaa	attagtgtct	tttctgcctt
142261	tgataaaaga	caaaatagtg	gtaagatagt	tttaaacaa	atgagttgag	ttcttaatta
142321	actgttgcaa	gtgtcagagt	agtgttctat	ttgtgagtg	cagaaagtat	caagacacta
142381	ggagagggca	gttaaggga	ccccataaa	actatggaaa	tgagaatatg	gtacaaagg
142441	agacaaattc	cttggttacag	aaataaggat	atcgaaatga	attaggtttt	ttggatcaat
142501	aatgtcaaaa	accattacgt	atgtgattca	ttaaatgcaa	taaccaaaa	aaaaatattt

# FIGURE 1 (continued)

142561	ttcttttccag	aaaagtattc	catgatgaaa	tcagtagatt	tcaaaagaac	aaacatacac
142621	attccaaaac	cacttgcatt	tattgacaat	gttggtagac	tatgaattca	tatgagcttt
142681	ctggagagaa	caggcttgag	cttccccata	tatgtttctg	tctcccaac	tgggctgtga
142741	gttaagaaca	gggactgtct	tattccttgt	tgtatcccaa	gggtgtgatt	caattctggg
142801	gcttagaaaa	tattttttga	ctgaatgaat	gaacttggta	ttatatacca	agcactttta
142861	aaattatttt	cacacccctt	taaaccagta	tttctacccc	taggaattta	tctgaaggaa
142921	ataaccagag	acacaaagac	acataacacg	gatgtttgtt	agagtattat	atctaatagc
142981	acaaaatcta	aatgttcaat	cacagagaaa	tgataaaatg	tcataaatca	cacaaggaa
143041	gtagtactag	gcagttattt	aaaagtgtgt	ttacgaccgg	gcgtgggtgg	ccagcacttt
143101	gggaggccga	ggcaggcaga	tcacgaggtc	aagagatgga	gaccatcctg	gccaacatgg
143161	tgaaaacccg	tcgctactaa	aaatacaaaa	attggctggg	tgtgggtggg	tatgctgtga
143221	gtcccagtta	ctcgggaggg	tgaggcagga	gaatcacttg	aaccagggag	ttggaggttg
143281	ccgtgagcca	agatcgaccc	actgcactac	agcctagtga	cagagcgaga	attcgtctca
143341	aaaaaaaaaa	aaagtctgtt	tacgaagtat	aattattgac	aaggaaaatt	ttcataatgt
143401	aacataatat	gtccagtata	tttaatacat	atatacacct	agattcta	gtattatata
143461	catatgcatg	agtataattt	tatctgtagg	aaaaaaagt	tgaaaataca	ccaaattgtt
143521	aacataattt	gctaataaat	agaacttagc	tgatatactt	taaaatttac	aaaagtaact
143581	aaaattttat	taaaaatgaa	atataaataa	ttttaattaa	taaacatact	ccatttgcgt
143641	atgtgctcta	tctagaaact	atccgacaac	cacaaaaaag	catttgatat	ttagtcttat
143701	aattcagaaa	tgagaccttc	ataaggaaaa	ggaaaataca	caaataatgg	ttaaccacca
143761	caagagcaac	tccacaaaaa	tgagcacata	ctttaaaaat	agtcatgcaa	gtaaaatata
143821	tcattggaaa	ggtaaataat	agtgaatatt	ttattggaaa	tataaaaaa	ttcgtattta
143881	gagtaatgta	atcgggaaac	ataccttaca	aaaatattct	aaaatatttt	aaaataatat
143941	acactagaaa	acaaatacac	ttgtttccaa	attttacttt	ctaaaaataa	aatcctacta
144001	ctaattctta	acaagggtat	gggtattttcc	ttttttaatg	ctgttttacg	ttatcactcc
144061	ctaaagtcaa	taactgtatc	agaattctgg	gtcctatctg	tgaaaacatt	ccatccctat
144121	tggaaaacaa	tctgaaatca	catagcctca	gtctgcttcc	ctgtatagtc	catacaaaac
144181	aaaccacaaa	agctactaaa	attaaacagt	ggagaattga	ttcactgata	ggccagcaaa
144241	aggttttttag	gttttttaat	tctttgggta	ttgttttggt	attgttggtt	tcttttttct
144301	ttaatccagg	gaaagtccct	actacaaaag	tctcaaaaac	gaattgaaaa	gaatggatct
144361	tgtctgggtg	ttcagctatc	catatacaca	ggttcattct	tcagcagagt	ttactaagct
144421	gttttagtgc	tttgaatcag	tttttctctt	tgtaatttaa	aacaagctaa	atttgccttt
144481	tatgaattct	taggaagtcc	tattctcaga	taacctatat	taaactttta	agaaagatgg
144541	agaatgggtc	agaataatta	ttacagttag	caagaagtcc	aaaaacgcta	acggctaagg
144601	aataaggaac	cctgaatata	ttaaaatcta	gctttacaag	ccaaagacat	caagacaaat
144661	attgtaaggc	cttgtgcatt	tgtctgacct	gttgcccgga	caaactgaca	ggggaagaga
144721	atacccaaat	tctgggtcata	ggctcagcta	ctattcagcc	gagacaacct	tggaaatcta
144781	cttaaaaaata	agagttcttg	gccagggtat	gtggctcgcg	cctgtcatcc	cagcattttg
144841	ggaggctgag	gtgggaagat	catttgagcc	aaggagcttg	aggttacagt	gagctatgat
144901	caggccactg	cactctggcc	tgggcagcag	aatgaaaccc	tgtctctgaa	aacaaaataa
144961	aacaaaaaac	aaaaatcctc	atgtaaagat	aacctgatca	aacaggagaa	tttactacta
145021	tatgcaagaa	tattgcagtt	actgacagga	atattttatg	taaagcattt	taatgattat
145081	tcaatgcaaa	aaaagtatta	attgattaag	gggggaaaaa	aacattatca	caaacaacgt
145141	catcacaggc	atctccctag	ctacataaatt	ttccacttgt	cacaaatgca	aattttaaca
145201	ttactatttg	aaatagccac	aaggtagcaa	atatattatt	tatagattat	aaaccttcag
145261	cttttttcagg	cctgaaactt	agcattcatt	tgaacgttta	taaccacgta	actgaagtct
145321	atacaacatt	aatctgaagt	agtgaactct	tgagcaaagt	cccacagtac	ttactaatt
145381	tcagtgaaga	aagtgcacct	cttaaaacat	gccagtgata	gaactgggga	aatgcaaaga
145441	ataggcctga	aattctagac	catggggaga	tcttaaaaca	tagcaagact	ctgtctcaaa
145501	aaaaataata	ataatgtaag	aaaaaaaaatt	ctattaataa	acatctagca	atcactatct
145561	caaaaaccaa	caaaaagatga	gaatataaac	aagtttacia	aagtatctga	taaatgcata
145621	gataatagag	cagggaaccag	ttcttagagt	gtatttattc	agagcatctg	acagacaatg
145681	ctatagatgg	ggtaggcagg	actgtgagtt	gcctcccaat	gtctgttttc	ttttgacatg
145741	gtatcataat	ttctagtgtc	ccatacagtc	acttaactca	agactcattt	cccagccttc

# FIGURE 1 (continued)

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145801 cttgctgctg tgtatgggtca catgactaag atttggccaa tgggatgtga gtatacatat
145861 tacgcacaac ttctcagtca tgatctttgc cctagttaga atctgattga aatggtcaga
145921 gccatcttag gccatgaaat agtagataca tgagcatcaa ggtacaagga gcctgggtcc
145981 ttggtaactg tagaaccaca gtcaggcctg gaccttcatt ctagccatgt agatagtagg
146041 gaaataaata tctatcttgt ttgtaccatg attacttgag ttttctctat aaataacaat
146101 tattagtcaa aataatacaa tagctaacat ttatttggca tttactacat accagacact
146161 gtgctaagag ctttatataa actctctcat ttgctcaaga cagtaacagt ttcaagcaat
146221 tattcctatc ctcagaaagc caggccttat ggagaaaaga taactttctc agagtcattc
146281 agctactagg gcctgaacat aggcttatct gatgctgatg ccatggtcag gctgtgagcc
146341 acagccacat acacaataaa ttccatttgc ctgggatgga gaccagccac gaccccttc
146401 taçaaagcat tccaagaacg ttgagtttta tgtcccccag atttaactgg catatcttca
146461 ggactgtgaa gaagaaaaaa aaaattgcat catagcacag aaatgaagaa agagtgtatac
146521 agccaagatt cacaggggaa aaagaaatca tccccactgc cactccaata caatgcaact
146581 taaagtcatg ccataaagtt atacacccaa aggttttatag ttttttggct ttggtttttt
146641 gttttttgtt ttttttcagc aggaggagat tatagaggac ctttattttc tacattatat
146701 gtttttataa ggtttgaaat ttttataatc atccagtatt acttttatca tctaaagaga
146761 caataaagat tttttaaaac atgtcataat gggtatcaga aattttctcg cttggaattt
146821 ttttttttat gagaatgcaa ttgtaagtta tgattaaaag tgtcaaagtg ctagagaaat
146881 gtaattatag agataaaata ataaaagaaa cataccaatt tttaaaaatc tatttccaac
146941 tatattattc caatatggat ttaaagcagc ttataacaac aactacagta taacacagaa
147001 ggagagttaa gtgaaaaaaa ttgaaagcaa aaaggaaagt aaagggtgaa gaaataagat
147061 gaaaatgatt ccagatgtac agtcagtgtg caaaacacat gggctcaggt tctgtagcct
147121 tgttacagat accctgaatt ttttttctaa gcttcctagc agacaaggca aaaaggagct
147181 cagagtgtcc atcagataat aataagtga tgggttcagaa ggaagcaca ctgattttgg
147241 caccaggacc tactgagatg ctttctctaa tgagtccaca gaatgaagg gctttttcac
147301 aaaatgaatt gtgtgtccag acacaaacag gatttttttt aaatgttggg gccagttgc
147361 aagtataaaa gtttaataat ttgggggcca aaatttaact gaaagctgaa aggcattgat
147421 attatataga aatgcaaata aaatggcttc aatatagttc ctggacaagt ttccaaccac
147481 cttctccttt atacaaatga tatactgtaa tttactttcc ataattcact tctttgtag
147541 atacttatgt cttaaatatt actgaccatt tttaaatatg caacactaaa atcattatgg
147601 tctgacattt ttatatgctt ataaaacaca ttttgttcta actgttttta ttagaagaaa
147661 tgtggcctgc tgcaaaccaa aacctacata ttttactttg gaaaaaaaaa agcagctgga
147721 aatataaaac cccacacatt tgcttttaac actgcttggg aactaaaacc tatcatgtgc
147781 acttgactgt gttttcacag aaaagcagca ttctcagtgc aggcacagcc cacggcattc
147841 tcactgctcc ccaggaagg gtgagggggg gactgtgcaa gctgggggct cccggatgag
147901 ggctcccttt cacagggatc tctggaccat tgtgtctcta gacttaagaa tacagaaaac
147961 aaaattcctt ggaatttagc ctctgaggag gcaggcaaat tatgttaacc acaagcaaac
148021 atctacatta ctttctgggt tgtttccact accttccaaa ataaattgca atttaaaatc
148081 agatcttaga agactacata taacaagaca ccogtatatt ttcttttctt gcctcatgaa
148141 atgacaaaaa ttgcaaaaac ttttaatatg attttaaatt taatactcta atcacatgtg
148201 tttatatatta aataaatggt ggtttcttaa aatacgatta ttcccaaact ctcttgctat
148261 aaattaaaac acaaatggaa gacgaagatg cccagagatg attccagttg atggaagttc
148321 ctgggtccagt acagaaagg aaagagaata acaataaata taagtcaaaa gaagggtgga
148381 aacaaaaaac actggcagta aaggcatgtt ggtaccaggt gggttcttgg aaaacaggtc
148441 agcagaagtt aacaggggtg tcactagccc agtgagccaa ctgtttccaa aacactggtc
148501 caaacacaag cctacttggt ctctgctggc tggctccctta ttagagattt ccagctggaa
148561 cttcaaaact tgatacaaac catgaccaag tgggctttgt catgggaatg caagactgga
148621 tgagtactca aaaaacaacc gatgtaatcc accagattat cagattaaaa ggaaaaacag
148681 tcatcatcaa tcaatgcaga aaagcatttg acaaaattca acatacattc atgatttaaa
148741 aaaaaaaact ctcagcaaat taggaataga agggaccttc ttcattctga taacacctac
148801 gtctaacata atacttaatg gtgaaagatt gaatgctttc cccctaagac cagaaacaag
148861 gcaaaaatgt ccactcccac cacacctact tgacattgta ctagaagttc tagccaatgc
148921 aagaaaaaaa ctcaaggaaa agaaataaaa ggcattgcaga tttgaaataa attagttgt
148981 tcctattcac agacaacatg actggctatg gagaaaaatc caaggaatca aggggaaaa

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# FIGURE 1 (continued)

149041	aattttctaga	actaataagt	catttttagca	agttcacagg	ataaagttca	acacaaaaat
149101	taaccattttt	tctatatata	cactttcttgt	atacatagaa	accaaagaa	aaaacacaca
149161	tatttagaaac	caagaaaaaa	taccacttac	agtgttacaa	tttatactta	agtacaggtc
149221	tcaaaaagca	catacaggat	ctacatgctg	aagatgacaa	aatgctgctg	aaagaaatga
149281	aagaagacta	aataaatata	gaggcatacc	atgttgatga	attggacaat	tcgggcataat
149341	aaagccatct	gtttctacca	aacttatcta	taaatttatg	caatcccaat	aaaaatccca
149401	gcatgatttt	ctgtaggtac	agacaagctg	attctaaaat	ttatatgaaa	agacagaaga
149461	actggaataa	ccaaaacaat	tttgataaag	gaaaaataag	attggaaaaa	tcatataagc
149521	tgatttttaa	atttaataata	aagcaacagc	aataaagaca	gtgtggtatt	ggcaaaggaa
149581	cagacacatg	tgtgtctgaa	atttttcatc	ataaacaatt	tttaaaaaata	aaattttaaaa
149641	taaaccaa	ataaggaatc	tggaaaggtc	actgaggcac	atgcggaaca	ttattaaaag
149701	gctggagAAC	agacactaca	gctgtgattc	ctgcctgtct	cattcgctca	ctcaaactca
149761	atgcttgga	tagagcacat	agtcataaaa	tagctgtctca	atgaataaaa	agtgaatgac
149821	gcaccaagg	aaatcttact	ctttttcctt	aaccctatag	aaggaaatag	caccaagaat
149881	cctaataaat	tgatctcctt	aattgaaaac	caaataagaga	aagctgcttt	aaaaataaat
149941	tttatttttag	aatgtcaaat	cctaaaatag	aatgtctttt	cctaaataacc	ccagcctaca
150001	ctgctttctc	ttttatgaac	tcctctagta	agtggcctta	acattttctta	atcaaatata
150061	gtgttaaact	gtcctcctgt	gtgtggtgcc	tgggctttac	catgtggtga	ggatggaaat
150121	agctgacttg	tattgatgga	gttcctgcc	tatacctga	cactgttcta	agtgtttcc
150181	actcaacct	gcaaagcaag	ttattagtat	cccctctccc	agatgaagaa	actggggcat
150241	agaggggtcaa	gtaacttctc	caaggtcaca	cagctagtcc	agggcagagc	agggactcaa
150301	acacaggcaa	tctggctccg	tacttgccctc	agtactgcct	cttctgagga	ccttgagaac
150361	ccagactcct	acaaatcaca	ctatttttgt	gtatttttct	cagcaatgtc	cacctaggac
150421	aagggtgggt	atgcagcaca	tactttaaaa	tctaaatgac	tgggtgtgcta	tctgggctgc
150481	atttgcaaat	tccaagagca	tcttttaggga	aagtttttag	ttaaagtttg	tgtgtgtctg
150541	aagagccctc	ctgaactttc	tataatgttt	tagttaattc	caccatgagg	atttccatga
150601	caaaaaaaaa	ttgttcatgt	gtgataaaga	taaaatgtta	gtacttacca	gatgttaagt
150661	ttttaatgta	aatattgccc	aaaatagata	ccaaaacaag	actagcaaag	taaaaatcct
150721	cctggggaaa	attattttat	atctcagtga	aagtcctttc	ctataaatcc	ccccgccatc
150781	cccaacaaac	acacatagaa	agcctttgat	ggcaaaggaa	acctcaaaga	tgtcttgcac
150841	tgagaaaaca	aaacatacaa	caccctccag	gaattctggt	ccttcttaag	atctctatca
150901	ctaattgttt	tggaaaacct	caatacaagt	atatgtttca	attctgggtt	acatgtagtt
150961	taagggtaaa	gaaaagaaat	gactgtagtc	agccatccat	tgccatctct	ctaattgagg
151021	atgtgcttac	tgaacacatc	tcctctgaaa	aaaaaatttt	tatacaaaag	atgagttttt
151081	ctattgatct	tttttcttct	acagcattct	actaaagaga	gattaatccc	aaaacaacaa
151141	gaaaggcctt	taatgaaacc	tcacagcagc	tggccatcac	ccaggcttta	gtgtgttccc
151201	acgatacact	ccagacattc	tgcattgctc	ctgtacatta	catgtcagac	cattccaatg
151261	gaatgggaaa	ctatgattac	actataattt	taacatttaa	cccaagtttt	tgtgtgacata
151321	attagctaaa	aatattagca	aaaagggtaa	caagagctgt	ccagttaaca	aaactaattt
151381	caaataacaa	atttgaggga	tgataatttc	agtgaccaca	aagtaaaagt	aaaaacttta
151441	tcctatcaag	gacagcaata	ggctaaccga	attcaccacc	tataagggga	ttctctagga
151501	aaccaccacc	gggtacccaa	tttccactgg	caagaaagag	aacacagacg	tgattatgtg
151561	accactagg	ggcaccttca	cactgcttca	tctcaaaacc	atatttccac	ctccactatg
151621	gccttcccaa	agtattagca	gtataaaatt	caaaccagg	tgcctcactt	taacaaaaaa
151681	taaattttaa	aaatgagaaa	atacattttc	aattaaaaaac	ttttccattt	aatttctaca
151741	tctaaggctt	tgggtgtataa	tcacagaaga	atatctcacc	aaactgtcaa	tataaattgg
151801	tattctgact	ttatcgcccc	ttggcaatgc	attgttccag	tattacaatg	tagaactgag
151861	ataaatttgt	agcttcaact	atatgtgtaa	ctgaattaaa	ataatttcaa	aagccctgtg
151921	agcaaaggct	gtgactaact	gaaaaaaca	atgggtggcct	ctaatacttc	ttgagtccca
151981	gcctatgacg	gcaagtgtca	agtaatcctg	cagactgggt	agaatgtata	tcatttcttc
152041	atccctttca	aataaatata	ttgaagtttt	aaaagatttt	ttaaaacagg	tctagattat
152101	gaccttgtag	gatctacaaa	caattagcaa	attcctcaag	acttgggtga	cattattaga
152161	ttcaaaggga	aagtctgagt	aatgggcatt	tcccttattt	ggaattatgt	tttatgtttt
152221	gtttgtgtgt	ggcaggagaa	tggggcagac	agttctgcct	acttgtctgt	atctatttgc

# FIGURE 1 (continued)

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152281 aaaatatcat cccagtttca ggtagctaca aatggctggg tcccaagtaa accttttaaa
152341 tgtgaggttt ctccttggca atctcaatct ctccttttct ctccaatctg tgtccttccc
152401 tgctttgcag cctcttactc aataacactc ctgcttttga cacccaatgc cctttcacct
152461 ttctttcttt cttttctttt cttttttttt tttttttttt tttttttttt gagacagagt
152521 tttgctcttg ttgcccaggc tggagtggga gtgcaatagc gtgatcttgg ctcagtgcaa
152581 cctctgcctc ctgggttcaa gcaattctcc tgcttcagcc tcccaagtag ctaagattac
152641 aggcatgtgc caccacaccc agctaatttt gtatttttag tagaaatggg gtttcacat
152701 gttggccagg ctggtctcaa actcctgccc tcaggtgatc caccgcctt ggccctccaa
152761 agtcttggga ttacaggcgt gagccaccgc acccagcttt cacctttcta aactgactga
152821 ggcaagcgtc tagaatcagc catttctatt ctaaggtaaa catgagccag tcacttgcag
152881 agftgggtccc tacctcccat ctggttccct ggcactttgt atccacctct ttttcaggcc
152941 tgaatacctc acattgtaac tctctgtcta catgagggcc tectctacca agctaaaagt
153001 ttgtcaagaa agaagaccag gtcttaatct gtatgcccac aacctacca tgggtgttgt
153061 aaacattaag cccttaatca atgcttgttt aatgaatgta tectcttgc ttgcctgatt
153121 tacattttta gectcttctc taactgtgga aagactttac ctctacctaa cacaggagtt
153181 cttaattttta gaggttcaaga acacattttt atgtacatct atatgagcat ttttcaggga
153241 aagaggttca cagccttaat gagatttcta aaggaatctc taactccaa aatttgaac
153301 caaaccaagc caaagaactt caagcactag gaatcagaag agaggcatat tattaggcta
153361 aggggcctgc caagcatcca tggaaactata ttggtaggaa gctaccaact ctgcttatag
153421 gtaatctctc tgaatacaaa gtagaagtag acagactagt cactgctgac aaaatcagac
153481 cagtcgatgc aatcgtatgc attcacaaaa tacacacctc aaagaaacca caacttcagg
153541 gagatgacaa tgatcagaat acagatgctc ctcaacttac aatgggctta catcctgata
153601 aaccatttgt aagttgaaaa tacagtaagc caaaaatcca tttacttaat acacctaac
153661 tactgaacat catagttagg tccagcctac cttaaactatg ctcagaacac ttatattagc
153721 ctacagttgg gaaaagtcat ctaacacaaa gcctatttta taatcaagtg ttgaatatct
153781 catgtaattt cttgaaagct gtacctaaag tgaaaagaag aatgttggtg taggtattcg
153841 agttaagggt tctgctgaat gcatatggct tttgcacat cataaagttg aaaaatcatt
153901 aaattgacca taataaatca gggaccatct gtactatgat ttctagaaag ccacaaactt
153961 ttaaaactgg gtagcaaagg tataggactg cagagaaaaa tatctatttt tattccagat
154021 tctaagtcct atgcagaagc acagccctgt tccacattga gtgtccaaat acatacaggc
154081 ctatgccctc taaaaccctg ctctatgttg ctctgacctc gcaccaatc tctttgccta
154141 acacctgtgg gtgaggtggg gtccctctcc agttttgtgc ctgctaagta gagcccacca
154201 ctggaaaaat tttcataggc taaattttag tgaattacta agaacaattt aaaattgggg
154261 aagtgtattt tctagaggtc tgtttcacca agaattttca gtggcattaa ctagtgtgga
154321 tgagttattt gacatatgaa gatgtcaggt agatacatcc caggcctctc tgacctggac
154381 tctctgactg actaattata aatcagaggt tcccatgate cactcttcag gttcaacaac
154441 tagaatgact ccagaactc aggaaaatag ttaacttact attactgctt tactataaag
154501 gatactactg aggaacagcc aaacggaaca gatgcatagg gagatgtacg tggaaggagc
154561 acagaatgtc attgtcctct ctgtgcacct caccctccca gcacctctac atgtatacca
154621 acccaaaaagc tctccaaaac ccatgattta ggggtgttta tgaaagcttc attatatagg
154681 catgattgat taattctttg gtcattgggtg atgagcttaa tctccagacc ctctccctc
154741 cctggacatc taggggtggac tgaaagttcc aaccttctaa tcatgctctg gtctttccag
154801 tgaccagcct tcctcctgaa attatctagg agcctccagt caccagtcac ctcattagca
154861 aacaagacac tcttttcaact ccagagagtc caagggtctt agaaagtctt gtgtcaggaa
154921 ccgaagacca agaccaacta ttataacaaa agttgtcctc atcaccctc tcaactcagga
154981 tattacaaag gtttttaggaa ttctgtgcca ggaactgggg acaaagacta aatatgtatt
155041 tcttattata tcacaatatc acacataact aatcaaatta ctgtatttat aataatagta
155101 agattagtta tctaaatgtc cacacaaatg gcataaatca ctgaagtctc caaaaagaaa
155161 atgttagaag caaatggaga atcatttgag tccattatca tttctacct tttctctct
155221 gatacggctt ttcttgagtc attcatttct catactgaaa atcactcatt caaaaccagc
155281 ctttttaggt gaaggtcagt acccatgtat taggctttta tgttgggatt cagatgatat
155341 ggagtggagt ttttctacca taaaggggaa gatatttgaa taagccttta agaagagaa
155401 agtgaaaaac aggaagaat aacatgtgca aagattcagt ggcataaaga aggtttgtat
155461 gttaggggaa agcaagtagt tcacagtggt gggcacgctg ggtggactgg gagctatggc

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# FIGURE 1 (continued)

155521	gagagatgag	actgaaaagc	gtacagccag	ccagggaaatc	tggattcattc	ttaaattggtt
155581	acagggccat	tataggatgt	taatcagggg	agtgcacatat	catatttgca	ttctggaaaag
155641	atcattcttg	cagcagtgtg	gaaatggact	gaggagacta	gttgacagaag	gagcagttaa
155701	tgtggtaaga	cagagataaa	ggatttgaaa	gacattaagg	aggaagaata	cacttatatg
155761	actcccttca	taactgtggg	gtaaaaatat	agtccaatct	cttcttttcc	cagttcattg
155821	gttttgagac	cccattagtc	tatgttatta	gcaacaattc	cagtatctcc	ctcctgaagc
155881	tgctccacag	ccctacccca	aattgttgaa	aaatgctgag	gtctgtcctg	gttccaaata
155941	ccaggctcga	acagaataga	aagcctgatg	agtccaagat	gagtcacacat	ttctagctgc
156001	tgacagctcct	ggtaaaacca	tagagttggt	acttttgtcc	attgtctgcca	caaaccctgg
156061	tgttccagat	ccctgcaaaag	acaactgtga	tgccctcacac	ttgggatccc	aggggactgc
156121	tgptttacct	taactcatat	acactgtcaa	aggatcgata	ctgtgccaga	aaccaggct
156181	cagccacaag	ccctccttca	tgagcctaga	aaggccctaa	tgctagccag	ttcaacattc
156241	tccttttctcc	atagtgaagt	tccctttggg	ccccttggag	tcctttcttt	ccaagggacc
156301	tctgctggga	caacatcaat	ccatcagaga	ggttcgagta	aaactgagcc	aaaaaagaga
156361	aaggagctag	agttggactg	cctttcctcc	aggaagttcc	ttggccctta	tacaggcaat
156421	cagcactgtg	agactttgtc	tcgccacca	tttctgtca	ctcttctccc	agaatcatgg
156481	ttactcattt	gcactatatt	tgcataatta	atagggttaa	gtccagtctt	tggggaaggg
156541	tgactttcca	tgtccacct	aagagcaagt	gcctggacat	tcctcacaat	ttagaaaaga
156601	aaagaaaaaa	agaagtga	tgtctgtctt	tagtgactaa	gtagatgggg	atgcaactgc
156661	tcctgttctg	agtgccagca	acagggcagt	ggccccagat	gaaagtcgcc	ccactgcaag
156721	gcttgggccag	tgactggagc	ctcctgtgta	agaagaagca	gtgtgccagc	aagcaccatt
156781	catcaaatgg	aacacagcag	atttcagcca	cttctttccc	tcagccagtc	acctctggac
156841	agtgtacagt	gacgcagtgc	tcctgcctga	aactaaggca	gaatgttctt	cttcaagaag
156901	ttagggttccg	ggatgagtc	gtggcatcag	ccaattaaag	tcctttccaa	agagtctcat
156961	ctattaaaga	agagagatcc	tgataagata	aagatggcag	aaggggactg	tttgatgggt
157021	acactttttt	tcattggggct	ggggaagtac	tggactgaaa	gtgataaagt	ctctcaacta
157081	atgtgactcc	ttcctagctc	agaaaagaga	attatctgtg	aattctctca	ccctctctga
157141	agtgccagtt	accaggggga	cagtcatcag	tctatcttct	ttatacttct	ttcaagaggc
157201	ttaaagccct	gtgagggggg	agatagatag	atagatagag	agcgagtgat	agatagagaa
157261	ttttaaaagc	tagactagca	attactcacc	aaaaagaaaa	aacaatttcc	tgttttgtgc
157321	tgtcagtaaa	atgtaaaatt	ttacagaatg	cccgaagtgt	attctcttta	agtgtctgca
157381	aaggattatt	ttctacaaag	tcgaaaaaaa	aaatttttaa	tgtgatagg	aaaagatcat
157441	cttattaggt	gctttgta	gtagggggaa	ctccagtcaa	taagcagtgt	gaggtggaag
157501	gaaagaaccc	ccagagggag	atgagacttg	tacgccacac	cagctgcact	accaactatg
157561	tggccttcag	tgaccacctc	acaggaatcc	ttcagttacc	cacctggagg	gctacttaaa
157621	taccaaacag	aatagcttat	gtgtgaaatg	ctttgcaact	ataaacgatt	attcacttgc
157681	attataatta	tgtttctaca	aattgtgctt	gtcagttcac	atcccaaaag	gacctaaaca
157741	ttagacacca	ttttacaaat	tataaaaggt	cattatgaag	ttctgaaata	cactctggct
157801	gaagaaaata	cagagcactt	taggaaaaaa	aataacacat	catccacgtc	ttcaattcta
157861	catcctaaat	aaacagttta	atcccatcac	ataacacagc	aaagcctgtt	atccgataaa
157921	aggagagtac	taaaccctca	atttaaggac	cagttacaac	tgattaaagt	aaggatactt
157981	ataatttagt	gtgtaagaat	gtatgctgaa	atataattag	tgcttatgaa	ttaaagcagg
158041	atggattagg	ctaattcctg	gaatgctatt	agagagaaga	ccctagggtt	aaaaaaaaaa
158101	gaaagaaaga	aagaaagaaa	agaagaagaa	aaaagaatga	tctttgtgtt	tgacacagcag
158161	ctaagccgct	taatgtccct	ctaattggatc	tgaatgggaa	gaaaggggag	aaggggagtg
158221	gagccctctc	catggcgta	gcccacgcta	cgctgctctg	gcactgcagc	cctggaaacc
158281	tgggtacaag	gcagaagggg	ctgagttgca	tgcctccgc	tcacttccca	gcttaattta
158341	tatggtaatt	agagctctgc	tgccagaagg	gagagcatct	gccaaaagta	aagtcctcac
158401	aataacaaaa	ctgacattag	ctgtgatgcc	gccaaagtgc	tgactaagaa	atttctttta
158461	tctccttttg	aagccataaa	gtgtattacta	gtcggaatt	tttaacagtc	accagtaat
158521	ttgactgac	agcaattatt	taacacatgc	acaaaacaat	agagtttcac	accagtaat
158581	caacctttga	gctccgtgac	ttccaatgct	ctcactggct	ggattttatg	gtctggtagc
158641	tcctgaacag	ccaagtatat	aagccacaaa	aacagtataa	aaatgatttg	aagcaaccac
158701	ttcttgtgcc	cttgacagatt	tatttaatga	ctgaggcaca	ctccatgatc	atgggccaat

# FIGURE 1 (continued)

158761	taaaagattt	gtctgcccac	cttatttcgct	gtgtttgact	gtacaataa	gtctctgcga
158821	aggaatcaag	ctgaacgcat	ggttgttgac	ctgtccctat	atccaatttt	tccaaaacat
158881	cagccagaat	aagattttaag	tatttttagca	atctatttta	ggtaggactat	attactacct
158941	ttctcagtaa	aagaattcat	tcaaatattg	tatttgaata	tcaactctgc	taaggcccaa
159001	aatagaatac	tatatacaaa	ggagaagaaa	atcaagaaaa	ctgctttcag	gtatcatcta
159061	actgaggagt	tgtaatcaaa	taatagtgtg	agaggctgtg	tgtgtttaaa	gaactctcct
159121	ggaagtcaga	tgtgggttat	ggacaagtca	ccaaagccct	atgtctgggtg	tccttatctg
159181	taacaataga	ggtagtgata	gctatgccac	ctgcctctaa	ggttttcatg	aagatgaaac
159241	aaaaactgaa	ggaacataga	agaatagatt	ttaaataattc	tcatacaaaa	aaaaaatgat
159301	aagaagggtga	agtgatggat	atatattttat	cagcttgatt	taatctttct	acaatatata
159361	taçatatcaa	aagaccacac	tgtaccctat	aaatatattc	aactattatt	tgtcaataaa
159421	atttaaaaaac	tgcagtaaca	agcactttgc	aaactatgat	gcactatata	aataaaggaa
159481	taattattct	ctgcaaatga	taccaagaga	tttatttttt	ttttttggcc	actctaattc
159541	aaggattttta	gtatgtaacc	atcatagcca	tggagacctt	gaaatctaata	tgcatctact
159601	aattttactat	gagtattcac	taggaattcc	ctaactcagt	atcaagaata	tagaaatcag
159661	aatatcaaag	ttttaagaat	tatgaaattt	gtctaaaggg	aacatatggg	ttaaaataga
159721	tggctaaaac	cagcaagcat	tataaaaaca	agtcaacttt	taaaagactc	aaattatata
159781	cacaaaatcc	tcagtcaacta	tgtaagttca	tgactttata	catattttacg	tgcaaagttt
159841	gaattatatt	atgactcatt	tttggccggg	catgggtggc	cacacctgta	atcccagcac
159901	tttgggaggc	gaaggcaggt	ggatcacttg	aggtaaggag	tttgagacca	gcctggccaa
159961	catggggaac	gccgtctcta	ctaaaaatac	aaaaatcagc	tgggtatggg	gggtgggtgcc
160021	tctaattcca	gctactcagg	aggccgaggg	aggaaaatcg	cttaaactcg	ggaggtggag
160081	gttgcaagtga	gccgagatca	cgccactaca	ctccagccag	tgagactccg	tctcaaaaaa
160141	aataaaacaaa	caaataaaaat	aaaaaataaa	aaaaagatat	atatatataa	agactcattt
160201	ttaaaggcat	tttttagtcaa	ctagttttga	gtattaaaaa	catacttaata	gtaagtcagg
160261	tacaatatag	aaaggtcata	atcaatcaca	taatctcttt	cttagcccat	ttatctgccc
160321	atacatctgt	aacagagatg	tgtgtctcagt	agggtttaca	ttttcccagc	aaacggaatc
160381	atagaacaat	agggttttag	agctctgtct	tgcttttatg	taggttgtac	ttccctaaca
160441	tttgcatatg	ccagcatttc	acctattttc	ttaaactgca	tgcaataggc	atgccatgcc
160501	caccattttg	aaaagggtact	agctgcctac	ctgggattag	tccttgacct	ctacatcaaa
160561	atacactttc	ggtcattgcc	tttgggtgtt	aattgccttt	gggtgtctct	gtcagcctcc
160621	cctccatggc	tgccaatccc	catctgtacc	ccgtggcacc	cagtacccaa	ctgttctctc
160681	tctgcttgcc	tactctgct	ccttctctct	aaatgataac	tcacactctg	cctataaagt
160741	tttcttgcca	aagtatcaca	ttctacttta	cacactttac	ccttcaaagc	ctttaaatta
160801	ttgtttatat	actcccatga	gttatattta	tttgtgtccc	ctatataatt	ttaaattctt
160861	atggacacaa	atttaattgt	actatttttc	acagtcaaat	tcaatattac	catattactt
160921	tcatatgcag	aagtatgaca	atgggtagac	ttcccacact	atgcaaattc	ctgctttttg
160981	acagatagtt	aaatcttaata	acactgttag	gagccactg	actacgggac	attgtttgag
161041	ttgctaagaa	aattttctga	aggataatct	taggccattg	atgttgatca	tgtgtgtttg
161101	cacacaacgt	agagatagaa	taaataaaaa	ttaaaccagt	gagcttacta	cttcttgcta
161161	acattcaatt	caaataattaa	aagtagactc	actcaagaaa	aaaattacat	tcctctatgt
161221	ttttaattgt	cactgcttat	ctaaacctta	gatactaaga	aatgaaggta	agaagagatt
161281	agcagcaaac	ttcaaaggta	gtagcaggcg	ctttcgcaag	aacataatta	gatgggtgatt
161341	tcattgacat	tacttactca	aaacacctc	tagagatgat	gcagggctta	tacatgaaag
161401	tatataaatg	cttttgatgg	atcacctcaa	gaaacaaaaa	gcaggctgca	ataccagca
161461	tatattttctc	acaaatgact	ccatatgaaa	ataagagaga	aaaatagcac	cttgcaaaac
161521	ttttcaatat	tgtagaacag	taaataaaaat	taacacttta	gaggtagtaa	aatctgtaac
161581	atatgtgaca	aagagtatat	gtttttaaata	tataaagaca	gctttccaat	acaaaacgaa
161641	aagaatacct	taataaaata	aataaatgaa	aaaagataca	aatgggcaat	gcactgaaga
161701	agaaacacaa	actgccaaata	aacaactgaa	aacatgtcca	aatttactag	gaaccaaaaa
161761	aatataaatt	aaagcaacta	tatcattttt	aaactctgag	attggcagaa	aaagaatact
161821	aacactatag	gtatagcact	ctagaatatt	cttagtgcaa	gaataaatta	cacaacctct
161881	ctggaggaca	atttggcaac	acacagccaa	actctacaca	tacactctca	gcaattccac
161941	ttaagaatat	atcctaagac	aataattaaa	caaagtctca	ctctgtcatg	gtttataata

# FIGURE 1 (continued)

162001	acaatattgg	acattactag	aatgaacag	agaaaggcct	cattcaatag	acacactcat
162061	atagtaccat	aatgtattgt	taagtgaaaa	agcaggctat	aaaatgtatg	tagaatatga
162121	tcctggtttg	taaaaagaca	aaaaaaggag	gaaggaagga	gaggagaggg	aaggagattg
162181	aagaagagag	gaaaggagga	gggggaaggg	gtgtctgtgt	gtgtgtgtgt	gtgtgtgtgt
162241	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gttgggatgg	gggaaggtaa	gcatttgggg
162301	tatgtgtgaa	tagggaaaac	ctcagacagg	atcatgacca	agtgttaact	atgcttgtat
162361	gcataatttt	tcttttcttc	tttatatttt	tctagaatgc	ctgaatgccc	ccaaaagcta
162421	ttttcactac	gaaaataaat	ttaaactgta	atcacatttg	catagccact	ttataattaa
162481	agagaaatct	tttaacaaat	tctccatcat	tatcttcaga	ggcagtcagt	gattatttct
162541	agttgggtac	aagagaacct	ttcacattca	caaagtgtgt	ttctagatat	accaaacaaa
162601	aaqaaaaaca	aaaaaaccta	aaacttgctg	tgtgtccaca	gagactcttt	aaaaatattc
162661	tctagtactt	cccagtggga	agcgctcag	tggaggcagg	gcctgaaacc	tcattccatg
162721	tattagatac	tggttggcca	ataagaatgt	gaagagttaa	atacccttcc	agaactacta
162781	atgtatggaa	tgaactggga	taaataataa	ttacattagc	aaatactgcc	caaagaaaga
162841	tttctgagat	attctaactt	caggaatcaa	atacaaaactg	agtcgacatc	aagctcagca
162901	gcatataaga	atgaagtaag	acactctgcc	ctgtgcttcc	caaattcgtc	ttcgtctgct
162961	actcccaagt	taagaaaagc	ctataacaga	aaaataataa	aacaagaaag	tttccatcat
163021	tttagataga	cattgtgaat	aattctacaa	agacacactt	ctcctacttc	tcaatatgtc
163081	caagatgtga	aattgagcgt	attctttctt	ttccaagatt	acacatatgg	tttcaataaa
163141	tcttttattt	caattttcat	ttcttggcca	tcatttttta	gatcaaactc	aacaacccat
163201	gtcagactca	ctttaaaaac	acacagctag	acacttctat	gggacctctc	tcttactat
163261	ttttagactc	tcctagaatc	ttactaatgc	ctgtttcttc	tataccccta	gaaaattaga
163321	atgttgggga	aatgtttact	ttaaaaaaa	aaataaacca	atgtatctga	gtgctacata
163381	aatcaccttt	ttctactctg	aaactgccct	gtcaatagtc	actagccaca	tggggcaatg
163441	gagaccttga	aaggtggctg	agtccaaact	aagatgtgtt	gaaagtgtac	aaaacacact
163501	ggatttcaaa	tatatatata	tataaaatat	taattgtata	tatatataat	atacaattaa
163561	taatgtttat	attaattaca	tgtcacaaat	atgtttgact	atagtgaagt	aaatataatt
163621	tcactctgct	ctttttgcct	ttttgatgtg	actagcagaa	gattttaaata	tacttatgtg
163681	gctgcattgt	gtttctgttg	gatgggtcgt	gtctggaatg	ctagttcatc	atgtcgagat
163741	tcttactgcc	atttctgtaa	ctctgcaaat	actcagtatt	ctctttaaat	aataggctct
163801	catcagtggc	attactcaag	agatttgcct	cctctaccac	actcggtaaa	acacctgcca
163861	ctagttactc	cttttcccca	aaattaacgt	ctgtgcttac	tagaagcttt	agctctactt
163921	taatctgagc	actctgcact	cctcgtgac	agtgttttcc	ccagcgggtg	tctgccccct
163981	tgtgccacat	acacttgagc	agtggagtgg	cgttatagtt	tgccaatgct	gggtggatggc
164041	gtaactttca	gtttgggggt	caaactcgct	ttccacaggg	caaacacact	aaagtgccac
164101	cacaattccc	ttgcaaaaact	cattcattcc	ctgaattctc	ccagtgcacc	aggaggaatg
164161	ttaaccattt	tatacctgcc	caaaagtggc	ctactgtatc	agttaggatt	gctttcataa
164221	aagaaaccca	atgacctgcc	tggcataacc	aaggttggtt	tattttccaa	cttaagaaat
164281	tggtcagagg	taaacagata	agaggtgatg	caatagcttt	atgatgggac	aactgcccta
164341	gcctcctctg	tctttccgac	ctgccttgtt	ggtctcaaga	tgctcctga	atgttcaggc
164401	agtgtatcta	tgtctcaact	aagaagggaa	aagatgaagg	gcaaaaggca	catgtcagcg
164461	gtttttcttt	ttatcaggag	acttctgctt	ttatctgact	ggccagaact	aacttatgtg
164521	gtcaccttag	ttacaaggga	gtctgagaca	gcatttttaa	ctagaatttt	atcagtaagg
164581	aagaacggga	aatggatttg	cagttgttaa	tgtgtaccat	agctatattt	tcacaaatat
164641	tattgcaatt	ttgttagaga	tacgaataaa	tgcctagggg	taaggggatt	aaagaaaaat
164701	ccaacaaaa	tcacaatctt	aatgttggat	acaaagtggg	gagaatggaa	actttgagaa
164761	tataatgtct	attatgtgga	tcatttccatt	ttattgaacg	tccacttttt	tgaatagtct
164821	ttacaacaac	tttcagcatg	tatctttgtt	gatagtaaaa	gtataatcaa	cctgccagta
164881	atatcttttc	taaaagttta	gttcatatta	aatcaaatag	ctgcttagaa	aactttatcc
164941	accagtcaca	gcctgctatt	caacatggcc	tcactctact	tttataattt	tacttctctc
165001	tatttctctg	catccagagt	ggatgaaagc	agacctccaa	tgtgaaaacg	agtttcttcc
165061	tgagtcattc	gcaaaattcc	acactcctgt	cacctctctg	atccaatacc	aaattcagca
165121	ttccactcaa	atttctgaag	cactgttggt	gctaataaga	accactgtct	gtttttcaat
165181	cactgccact	agaagatatt	ttttttaaag	acatagaaac	atagcttcag	tagttcacaa

# FIGURE 1 (continued)

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165241 gtattaaggc ctacaccatg ccaagctgag aatgggagag ctgcactgcc tgaggatgcc
165301 aggccctcag ctgggagcac tcactcactc actacgtgat tcactcccaa acaagagccc
165361 tgcagaaagc ctgattcaag ttcttggttc agcaaaattc aagtttctaa aatgtcatat
165421 atctttatgg cattggcaaa aagtcagaac tttctatgat taattcataa atgttactga
165481 tcaattctgt tccctgtaat ggcccaagct ttccaaaagc tggccctttt ccacaaagtg
165541 tcttctttct gtaacaccca ccccatctc taccaaataa aacctactc attoctcaag
165601 gttcaattct gatttcacat tttccacaaa gcctttccaa atcgctctgc tataactgtt
165661 ctctattttg atcaaatata gcactttatt tctatttctc tcatgtcatt tattttctgc
165721 ttatattttc gatcagtcct agcctctccc actagatcaa aagcttgact ctatactctt
165781 agcagagcat tttatttatt tgtttgcatt gaattaaatc tggatttgtt ttgtctatgt
165841 gaagagacaaa aagtaattgt gcaacatcat tgaccacaat gtttttttaa agtctggtca
165901 caaattatga ctgtcaaaat aataatcagc ccattgcttt ccattttgag ctccagagaa
165961 aattactaca aacatatgaa gggatgtcct atggccttga gcacagagga aagattgccc
166021 accccagtgt ctatacaagg ctttactact tccactatgc agcccatagg tcccataata
166081 aattcagcag aagaatccag ttacacaacg attcttgagc atctgcaaag gatgaataga
166141 tttcctgaac ccaaaaattg ggacacagaa tctttgtgcc attccaggtg agttccatt
166201 taaaatacag ctttgattgg atgcagtggc tcactcatgt aatcccagca cttggggagg
166261 ccgagacagg cagactgctt gagccacga gttcaagacc aacctgggca acatagttag
166321 acctcacctc tacaaaaaat acaaaaatta gctgggcatg gtggtgcgtg cctgtagtcc
166381 cagctatttg ggggctgag gtggaaggat cacttgagcc caaggggagc ggggtgcggt
166441 gagtcaagat tgcaccactg cactccagcc tgggtgacaa agtgagacc tgtcttaaaa
166501 aaaatttttt aatggatcag ggagcacact tatttagtaa acatagcatg tattccaatt
166561 aataaactgt tcaatgtaaa aagttggggg gataagaatt aacattctaa ggaacaaaga
166621 gcagaagcta agaagggcaa taagaagggc aaaaaaaaag ttggaaaaaa atccacctta
166681 ttggcaaaaa aataatattc ttgcacatgt aggttgtgtg tgattataat gtatctcttt
166741 ttcttctctc tgcccaggt ctcagaggct aacgtgctat tctagagaaa catataacaa
166801 ctttctctcg actggtttga aaaactgatg ttgttctcac tagagggatg gtgcaaagct
166861 ttaaaaaaag tatagagtga tgaagggaaa atagatgtaa gtgccaggat cctgtttaaa
166921 ggatcaagga aggtctaaat ccaagaatgt ccacttaacg ttatattttc atttctacaa
166981 attctatctg gtttcatctt aaatctttgt catattctca aagctcattt tatttcttta
167041 aatatattaa acagacatat ttacattct gaaatagacc actccaaact ctgcagtcta
167101 cgtggaactg actctatagt gtgttttttc aattaatgat tgctcatgat agtttatttc
167161 tttatgtgtt ggggatggga ggagtcctct accgtggatt caaggccctt cagttttatt
167221 tgtgggaatt tattaaggct tacgttttaa ttattgtgtt cttccagaga gatttccctt
167281 tccttctacc aggagctggg attactgcca atccaagacc attttcaact gaacattcaa
167341 cttggcccta caggtggtat gaactcaaac ccagagccta cttcatgca ggcttatcgt
167401 tggtaaactc catgggggac ttctcttttc cattcctccc acaaccaaag cagagacagt
167461 tatatatgtc cccaccatgc cctctccaga gcagattctt cctagtgttt ccactcgggg
167521 ttaaccattt ggtgtgctga ctctatgtgg gagctctgac ttgaccttta ccctgtcttg
167581 ggctctgttt cctgtgctcc ctacacatgc ctggttaaaa cccacacttt aggcctttag
167641 aggttaacag ataccacggg gaccaatgct tgttccaatg gtcacttacc cctcctgaca
167701 catagtgtct tgctattctt accctccaag gaattccctt acatttctgc cagctcagcc
167761 atgcttttaa aactactttt taaaaaatat tttatctagc atgttcaggc ttgctttccc
167821 aagcacggtc tcccttaaca tctagtctgc catatagcta gaactagaac tctcccgtcc
167881 agagatttgc acaggggctg taaacagtcc catgtggcat gttactacct tgggtcaaca
167941 tccaaataac aggtctcatt tcaacctcta aaatcagtat aatgtttatg tattcatatt
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168061 ttttacaata attattttat ataattatac ttaattatat tcacatttat ttatttcttg
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168181 aacttttaaaa accaattcag aaagcaaaag gtaagttatg ttaaaacctc actagtcgta
168241 ttacctatct ctagagcctc tgctcaacaa taagaattta agggaaaaata agtaatatata
168301 taaaacaaag ttactatcat aattgtcttt tttttttttt ttttttagatg gagtttcatt
168361 cttgttgccc aggttggaat gcaatggcac gatttcggct cactgcaacc tccccctccc
168421 gggttcaagc agttctcctg cctcacccctc ccgaataact gggattacag gcatgcacca

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# FIGURE 1 (continued)

168481	ccacacccgg	ctaattttgt	atTTTTtagta	gcgatgaggt	tttgccatag	tggtcaggct
168541	ggtctcgaac	tcccaacctc	aggtgatcca	cccacctcag	cctcccaaag	tgctgggatt
168601	acaggcgtga	gccaccgtgc	ccagctcata	attgtcattt	ttaagggtgcc	tctcaagata
168661	tggcacatta	ttattcagaa	acagcacaat	gcctacacct	tctataacat	atcatctgca
168721	ttatcataac	acatgtgaaa	aaccataatc	cagaaccaa	catctttaat	aattttttaa
168781	atgtttacag	tataggtaga	atacaaagta	tatttataac	ctctcttggt	ccaaaataaa
168841	tttgaaactg	aaacctacta	atatatttat	aaattgatta	taaatgatag	ttgaaacaaa
168901	gtaagttaat	ggaaaaatat	ccaactatcc	ttaacatttt	catctcaaac	attaggagaa
168961	atatctaata	catgcagggc	ttaaaaccta	gatgatgggt	tgatagggtg	agcaaaccac
169021	catggcacat	gtatacctat	gtaacaacct	gcactttctg	cacatgtatc	ccagaactta
169081	aagtaaaatt	ttaaaaaata	ataaataaat	aaataaaaaa	atTTTcctct	caaagaactc
169141	cagctaatta	tgTTTTtaaa	ttctcataaa	ttatattgat	ctatgtagtc	aataactttt
169201	aaaaggttac	tgggtcattt	attcattgca	ggataattca	tgatcatcag	cgaaataacct
169261	ataactgtac	tacattctca	actattaaat	gataaatattc	cattgcaagg	agTTTTgtta
169321	aggTTTctgc	actaaatgat	gtagaaaatat	ataattctga	aaattttatg	ttctacttgc
169381	ttgtttcaaa	atgggctctg	gattaaagaga	acaaattttt	taacgTTTct	ctgttaatgt
169441	acaaatctca	ctctccaaag	tttacaacca	aatgttttgc	atcattacac	acacctgcc
169501	ccacctacag	aaagaacaaa	agttgtatac	tctaaatacc	aattgtatgt	ggcagtgtta
169561	ttatttttat	cacattttcta	aaacctgtta	caagtgaaaa	aaagattaaa	ataatttctg
169621	cagtTctaaa	caaagacacc	aaagtataac	tatttttcca	attcggacct	tcattaatgt
169681	acgaatgcc	aagcacacta	gttggtcttc	ctatttaacc	acaaacatgt	caggctctgt
169741	tgagtagtg	ttgaatgtgg	aaaagatgta	tatccggttg	gtaacagctt	aaaggTTTTa
169801	gaataaagcc	tacatttTgtg	ggtggccaca	aatcttagct	aaaaattggc	tgaactatac
169861	ggacgtgact	tagagagggt	ggatttattg	aaatgttcac	aggctgaggt	gtcagaagag
169921	ttggccttct	gattatttct	gaaaaatcat	ttagctgtc	aagactttgg	tttctaattc
169981	atggaactgg	cccaatgacc	tccaagcccc	tttagctgtc	acattcaaga	attctgaatc
170041	tatagcatgt	gtaacaattg	aaggtagact	ttccacccca	ttctctaagc	agaaggaaca
170101	ctccagTctt	ctgactgggg	ttcatatatg	cttatatcag	gttaaatgac	aagagcatgt
170161	cgaaataaga	atcaaaatga	gaggatttat	catcctttgt	cagccacatt	cttactctca
170221	atgctcagca	acagggttta	gagtgtctaaa	cattttgatg	caataatgac	aatgcagtTc
170281	accaaacaag	gccaaactca	gtggtttcca	ggaaactgaa	aagagaaaga	atgtggatag
170341	aaatagtaga	gacttcaaat	gatgaagaaa	atgaatgaag	ttcaaactga	gaatcaaaaa
170401	gagacagaaa	aaagacctaa	aaagtgtgg	caatgcattt	ggaatgacta	gaaccaggga
170461	aagTTTTtcc	taacaatact	aataaaacat	ctttgagagt	attttatcat	tagtgggac
170521	aatgggataa	ggtcagattg	attatttttt	attttaaagt	caaaaactaa	aatggaattc
170581	ttttgatttg	tgaagatag	gatcattatg	caacttcac	aaaggatttt	ttacctaac
170641	ctagaagtca	aaaatgttct	ttatttttta	aaaaaaacaa	aaaatcttta	ttgtcacagt
170701	ggaacactca	cacctctgaa	aaatgagaca	aatcatgaat	tattgttact	attcatttaa
170761	attactcaaa	aagtccatca	ttatgttaat	ggattaaaa	atctttaaat	aagagaatga
170821	tataataaaa	ttgccttaat	tatggctccc	ctttcttttag	gaataaaggc	aattttaatag
170881	aaagtagaaa	attatctaat	aaaggtaagt	tacagcacat	attctatttc	ccttcagatg
170941	gttgttagta	tatatgcgcc	aatatacgaa	tatatatata	taacatagtt	gataaaaaatc
171001	tatcttaaat	gtttattttt	atgtttctga	tcatataatt	tcaattaaaa	gtcatatatt
171061	aatcagggtgc	agtggctcac	acctgtaatc	ccagcacttt	gggaggccaa	ggcaagcaga
171121	tcacttgagg	tcaggagtTc	gagaccagcc	tgccaacat	ggcaaaaccc	catctctact
171181	aaaaatacaa	aacttagccg	ggtgtgctgg	tgcatgctg	tagtcccagc	tactcaggag
171241	gctaaggaag	gagaattgct	tgaacctggg	aggcagaggt	tgcatgagc	tgagatcatg
171301	ccattgcact	ccagcctagg	caacagagtg	agactcggtc	tcaaaaaaaa	aaaaaaaaaa
171361	aatcttctaa	aagtcttcta	ttgacaaagt	ccacgtactt	gtcattttta	tcactctacc
171421	atagaattaa	atgggttaat	attatataag	ttgctttgac	attccttct	ttgagaacat
171481	ttatttctctg	ggttttttgt	ttggttggtt	gtttggttTc	ctcgggcatt	attactttga
171541	aaatattcct	aaaagtagaa	ttatacaggt	caaaaatatg	aatcatatta	tagctgttgt
171601	tacatttatt	gaccaattgt	ttccaggag	aaaaaataac	ccattcaaac	agctaccaat
171661	aatgtccaaa	tatcgctgtc	ccaatcttta	caccactctt	actgacacat	aatgatatca



# FIGURE 1 (continued)

171721 catttgtcat tcttttggct ggcctaacgg gtgtatatag ttcctacagg ttgtctgaat  
171781 atgaatttta attgctgata aggctgaata ttattccttg tgatgactca ctctattttt  
171841 ctaaataatat aaaaaccact tactgagata caataagcaa tgatctcttg tacatgtaga  
171901 tgctttccat atttttaaac attaatat tctgtttat agacacaaca tatgtatatt  
171961 acagacagtc tgagatataa acaaaagcac aagaataata taaaaatcac ccataatccc  
172021 aacacacttt tccctttaa tactgtgtgt tacaaaaagt taatttcctt tctccgctc  
172081 cccatccatc ccgatccccg ctaaaagtaa ttactgttaa gcatttggtg tatgtatatt  
172141 gttccaggac tttcctatgt ttctttctat aaaaatagaa tcacactgat cattgtcttc  
172201 tgcaacaggc tctttttcct taatactcta tcacagacat cttttcaaga tacatagacc  
172261 tatctcattc ttttgatagg cagatgggtat tctaactctgt gtacagtaag ttatgaaact  
172321 ggggtcaaagc aaggcaaaag ggtcccagct gatatctgag gtatatacat tacaattttt  
172381 cagttacggt ctcataaggta actgccacca gtccccctgc ccccataggt atctgccacc  
172441 agttcctctg ccccttgat ctttactgc aatcacccaa cctctcctca cccttgctc  
172501 aactcatcaa cctcatctc cagctttggt ggactgctga gggctgtcag agaaaccttt  
172561 cagccttccat gactggctcc atttcgcagc agggtttcca acctccctg ggctactga  
172621 ttgtttacca ttgtttttt ctcactctca ctagctctat tcagtcctt tccacctt  
172681 cttcaatccc cactctaccc tccactctga accatacgga gaggtcgcta attacagag  
172741 taagtagaga acattcaaac atggcctcac ccacctctc ttcactctc atcctgcctt  
172801 tcttgcccca ccttctctt ctttaccacc aagtcaggaa aagggtacct tggttcttct  
172861 ccaaggetta cccctccatc ttcaatgttg cctccatac gatgtcctt ccccttctc  
172921 ctggaaacaa gcttatgtaa atgccatatt aattatgtta ataataaaaa tgtatatagc  
172981 acttaaaatg tccagaccct cttctaagta ccttatatat actaatttaa acttcataac  
173041 agccctatga ggtgagtgtt acagtaattg taattatctc cattctacag attagtgaat  
173101 tgaagcacat tgggctcagg ggacctgcca aggtcacaca gctactaagt gagattcaaa  
173161 cccaagcag tctggccctt aaccaccaag cccctatat aaagcttata taataggacc  
173221 agggaaatga tttagagcag agtggagtta gaagactgga tgggcagaga agcctgtaga  
173281 gcgccccaac caacagaaaa ctactctctt gtttgtctgg tttgaagtac cagagacaaa  
173341 catcactggt atgggaaatg atggagagac tgtctgtggg ggctgtctta tgggtgctat  
173401 tctatgaaag cggatactcc cattactctc tcattctaac atctcagatt gtctccatc  
173461 aagtagttaa cctgggtgaa aaactcttat ccatggctaa agccactaca ctaataacca  
173521 tgggaaccaa ctaggcaagc tgcagggtggc tcagcacaaa ctcctgaca tgtgaaaaga  
173581 gctcaaagca cagctcctcc acctactcac catctacagg ctgctgctt atgcctgaga  
173641 cactcaccta aaccatccag gcaccccatg atacttcaac actctctcta cccagccagt  
173701 gtcactccag tctactttga atacttagtc ccagacagac catttccaat gagataattc  
173761 taactttctt cctcaatatt taccagaaat acgtctcttt ttggcttccc aatcaccatg  
173821 cattttcctc ctcactata aagaatcaaa ttaacattta acatgtagc cctttaaatc  
173881 tctttgggaa gttaccatct gtgatttttc taccaaaacca ctcctcttc ctcctacccc  
173941 aaccaacaca cacaaaacac actagtccct tctttgctgg gctaaataaa tacatgtagc  
174001 cccattaaca atccttcata tgacctggtt ttacatctct tctcactctt ggtcactcta  
174061 atatctaaat atgatccatt ttgcttact ctctcttaac gtgtcccaga gcagctgtat  
174121 gacactgttg actcacacta aggaatccct acagatgtgc ttcacacatg ctacttccag  
174181 caccacaaggc tcatccttcc tccactctca gagctgcttt tcaaggcccc tatatgccta  
174241 ctgagtttca tattaaatgt gtgagcttca acctcattcc attgtgtcta cttcccctag  
174301 ctctaataag ctaaatccac tgatgccaac actaccacct cctacagact aaatcaaatc  
174361 ccacttctc aaccagtctt gaccaagaca aatgtgtatc agcagcctca gcctaaccct  
174421 gaaacacaga attaaagctac ttttcagca tttactgaca aatcaatcct agatgcaggc  
174481 gtttccagta acccccaggg ttctatact gccccttagc tcaactcttc ttctcccatc  
174541 gctaaaacag gatattgggtt tgatccctag atcaccatt cagtggccac agattacctc  
174601 tcccaccagt aatcctgaaa ggatgttcca ttgcaggagg cagaataagg caaaactgca  
174661 aagttggcca tttcctatca ttcagaaacc acattctctg gttggagggc agtagactaa  
174721 ttttgtatat agaaaagaca atctcgcatt ctcctaaaaa gtgttactaa actttcaaaa  
174781 gtaactttca atagaagatt taatccaatt aataacaaat atttaggaaa cacaaactag  
174841 ttttagatac tatatattac aaataacatc acttcttctc aaaaataagt gtgccaagaa  
174901 tctctggcaa aagaacagag gtcactctgc actactctct tgatttttaa gcaatgaaat

# FIGURE 1 (continued)

174961	gaagtctctc	agacagtgg	ccccaacct	ttaggcaata	gggggaggg	tgggggaggg
175021	gtatggtttt	tggatgaaac	tgtccacct	taggtcatca	ggcattagat	tttcacaagg
175081	agcatgcaaa	ctagacctct	ggcatgtgca	gttcacaaca	ggactcgcg	tcctatgaga
175141	atctaagtcc	actgatctga	caggaggcag	agctcaggta	aagcaagaga	tggggagtag
175201	ctgtaaatac	aaacgaagcc	accctcacct	gctgctcacc	acctgctgag	cggcccagta
175261	cctggctcct	ggcccaggcg	tgggggaccc	ctgctctaag	aaactatgta	atattattcaa
175321	ggtcacagag	caggctatta	acaaaactga	aacaaggact	caggctctcca	gattcccggc
175381	tgaataata	tctagtcac	tatgaggtac	agtgcgtttt	cagagtttga	aacacacagt
175441	atcttcccc	caacaggtea	cgtgggtacac	aacatgaatc	cacaattatg	aatcagttta
175501	tgaatctaca	gttatgaaac	actaagcaat	gaaaacatac	aacagggcca	ggcatggtgg
175561	ctcaagcctg	taatcccagc	actccaggag	gccaagggtg	acagattgct	tgagcccagg
175621	agtttagagac	aagcctggga	aacaaggcaa	acccccgtct	ctcctaaata	taaaaaaatt
175681	agctgggtcat	ggtggcacac	acctgtagtc	ctaactactc	aggaggctga	ggtgggagga
175741	ctacctgcac	tccaacttgg	gcgacagaag	tgatactctg	tctcagaaaa	aaaaaaaaaa
175801	aaaaaacata	aaacagtaca	gatcaacatt	catgggcctt	tatcatgcag	acaacagcct
175861	ctgaaagtgt	tgactataaa	acacaaaact	atgaaaatta	aatttgata	ggggaaccca
175921	aacattttgc	tcatgattac	tgattataac	aagtttatca	cactttaatt	cacaaaaaaa
175981	gacattaatc	atgaaaagga	aatcaagtc	cagaaaggca	gtaatagcat	agttattaaa
176041	tgttaaccat	ttgaatccta	cctcctccac	ttactagctg	tataacctca	aggaattagt
176101	caacctctct	ttcgctccat	ttcttcatct	ataaaatgag	gactgtggta	tttatctcat
176161	ggagcagttg	caatgattaa	atactttagt	atctgtaaaa	tacttgggac	agtgcctggc
176221	tcatagttgg	tattcaataa	ttgctcttat	ctactcatgt	attattcttt	tccacttgga
176281	taacaaccaa	ctcttgacat	ttgtcatatc	cctttaagt	tagccaaatt	ccataaggca
176341	ctggaatgac	atacgatttc	ttaaaggacc	ctggttttga	gccaaaaatt	aaataatggt
176401	agagatgtgg	tagaaaagta	cagctacatg	ttcaaggat	gtgataaatg	gccaatgtgt
176461	tagtctgtct	gggcaacaaa	ataatggtat	tttggtggt	ttataaacia	cacaaattta
176521	tttctcacag	ttctagaagc	tgggaagtcc	aagatcgaag	agctggcagg	tttggtgcct
176581	agtaaggggc	catttctctc	ttgataggga	tgacttctca	ctacgtcttc	acatggtaaa
176641	aggggcaaat	gagtccctcg	gggcctcttt	tataaagtca	ctaatttcac	tcacgagggc
176701	ttcactgaca	tgacctaatc	acttgcccaa	attccccacc	tcctaattccc	atcaccttgg
176761	ggactagggt	ttcaacagg	attctgaggg	gtcacaaaca	tccaaaccac	agcagtcaga
176821	aatcaggaga	atggatcatg	gggagtga	ggcttagccc	gccttggatt	ggcagatag
176881	gagtgaagag	aagtaccac	agttttcaaa	accaatcaaa	ccaaaacatt	tcatttatca
176941	catogaattc	acaatgtact	atcggtacca	ctacaatgac	tggccaagag	cctccttaca
177001	cttccctacc	attcctactt	cttttttttt	tttttttttt	tttttgagac	ggagtctcat
177061	tctgtcacc	aggctggagt	gtgcagtggc	gcaatctcgg	ctcactgcaa	tctctgcctc
177121	ctgggttcaa	gcagttctcc	tgccctcagc	tcccagtag	ctgggactac	gggcgcacac
177181	tgccaagccc	ggctaatttt	ttttgtattt	tagtggatac	ggggtttcac	cttgttacct
177241	aggctagtca	cgaactcctg	agctcaggca	atctgcccgc	ctcggcctcc	caaagtgtca
177301	ggattacagg	cgtgagccac	cgcacccagc	ccattcctac	ttcttctact	tcattccatc
177361	aacagaatca	gagaaatctc	tctgaaaatg	gaaatagagg	tctccctgaa	atataatgcc
177421	catgagattt	ctcatgcaaa	gcaaatataa	atgagctata	aaaaaagcac	gatgtattca
177481	ttcccttttag	atctgctgcc	taactctcat	tagggggcct	gagctcctgt	aggctctgtg
177541	tcagtgtctg	tgcaagtggc	ctgcaggcag	tgagggcagt	tcagtgtggc	ttgattacaa
177601	ggtgtgaaga	tgggattgtg	gcacactctc	aggggctctg	aagggcacac	catttttaaa
177661	tcactcacct	gatgtttact	ccatggtgca	gcataattaag	tggaataatg	agagaaggga
177721	gtgactggaa	acaagaaatc	ctacaaaaac	cagggtataa	gtggctaagg	catgaggtga
177781	caacactgag	agaagggtga	taaaagttag	gacccaaaaa	aaagattttg	agtcttaaga
177841	aactcaggaa	gaatatggca	acaaaactag	cacattgggt	aaaactcaaa	gaagcttgaa
177901	gatcacccaa	gatgacagaa	tttagtagga	gacccaaaag	ggttactgca	ggtaattacc
177961	gcaagaccac	aatcacaagc	tcagccttga	catgtttaat	tttaggtaaa	atccagggtat
178021	ccagctgaaa	acattctatg	ggtagtggga	aaatcatagt	atgacagagc	aatcttaaga
178081	ggttcagagc	atcaaccagc	tcacaactta	gttgctttta	gagttttcac	tcattcaggaa
178141	tgacatgtct	ttatgttgag	caagaaaaac	atgaagttag	ccaagaaaga	tttggaaatgc

# FIGURE 1 (continued)

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178201 attaaaatta actagttact aataatatat tagtaattac aaacaaaaag agaattttaag
178261 ctataagttc aaaacatagg gaagatttta gggagaacta ccaaattttt ccacgaaaaa
178321 caaatatttg tgtcactgtc agaataattag gattatggat tattattctg acttcacata
178381 gtatctttaca cactatctga agtcagaata tgttttatat gttatttaat gttttatatt
178441 atataaattg cttaaattaa gaataatatc aaagtcctac gaattatatt tttagctttt
178501 attcacattg ttactgacaa attcacatgg ctgatttaac acatgagaac agtcataaaa
178561 cagtcaaaaag agactgaaac cttttttggt acaagtgttg gttacaatta aactttaaat
178621 aagagagatg gacgggtgcg gtggcccaca cctgtaatcc tagcactttg gcaggctgag
178681 gtgggcaggc cacttgagcc cagaagtctg agaccagcct gggcaacata gtgagaacct
178741 gcctctatct ttttcttaaa aaaaattaat taaaacaaaa agacttacca cattttcctt
178801 cafcattttc agcttttcat caatctctct cagccgatta tgcagatcgc gttgctcttt
178861 ggtgttccta agtatctttt ctcttgaggt tacttccata tttctttcac catcaeggte
178921 aggttttctaa tttaaagaaa aaaaaaaaac atcattcaca ggctggaaat gtgctgtcac
178981 ataccacctc aaagcaactg agccttgagg gttagctttg cttctcaaac aattatttct
179041 tcccttcaaaa acaatatgta taacgcttta aagtcttccc attttaggag gtaaagtctc
179101 aactgtacat ataacaagta ggaaaggaa ccaacttctg taatcatttg ggaagcagaa
179161 ggagacagtg aaaacagctg gagccaggaa acaggaacct gggttctggt ccctgctctg
179221 atacttacca gcttgagacc ttggactttt ctttggaact caagtttatc atgtataaat
179281 aagaaggaaa aaacctgtcc catccatatt attagaagca gctgtgtaat aatgggaaga
179341 aaactggatt tggcaaggtc aggagttttg aatctttgcc ctgcctggtt cctgactaga
179401 ctgacctgag ggaaatgaat taacctctct gagcttcagt ttcacatctc gtaaaacagt
179461 aacagtaata atagatctag gctaaaagtc atcacagtat gtagtaggca agcaacaaat
179521 cttaatgcca aacaaatgcy agctgaatat gtcctttgaa aagactaagt attacataat
179581 gaaagtactt cattattgtc tgcaatatatt atattgacag aaccatattt tcccaaagtt
179641 aatgttattt ctgggtgata aaaatgggca tttcttgata ggaatttggg cctgtatcta
179701 agattaaact tcctttctca catacatctg ctctgtgttg ccatataagt gatgggcagt
179761 aatgacattt ttgaaatcac tcaagccata atcctgctac tccctcattc cttacataga
179821 gatggtcacc aggaatacta tcttaagata aatccctaata acctctctaa tcaaggcact
179881 tgtttctttc tcaccgtctt agttaagata tcctcatcat tcaccagcag tttttaaaact
179941 ccagtgaagt tcagaatcac ctccagagcc caggaaaaaa tccgaaggac cagcctctac
180001 ccaggagggt ctgattcaaa aggggaaggac aggacaggcc tgggtggctc tacctgtaac
180061 cccaacactc caggagggtc agtcaggagg atcccttgag ccagaagtt agagaccagc
180121 ctgggcaaca cagtgaagcc ccatactac aaaataaaaa ataaaaaaat aattagccag
180181 acacggtaac acctacagtc tcagccactt gggaggctga ggtgggagga tcaactgaac
180241 ctgggagggtc gaggtgcag tgagctgtga tgcaccact gcactgcaga ctgggcaaca
180301 gaatgagact ctgtctcaaa aaaaaaaaaa aaaaaaagga ctaaggacta ataaactgaa
180361 gcacacctac ttgagaattc aagaactact gacttaggtt gctgccagag cctcctggct
180421 ggtcttgatg ctaccagtca ccctgttgat tccattcttt gcagggaaga cacagaacaa
180481 ggtgcaaagt attcatgctt taggcctgtc caatctcttc atctcatttc cactgcttg
180541 agactcagac tcaaatgtgc agcaatatcc actactacca gttcccccaa tccaacctc
180601 ccaactcctg agactcctac ccattttggg ccagttcaa gcatatttcc ataataattc
180661 ctgacatacc cacaaggac aaattattct ctccagccag ccacatgctc ctttattgca
180721 ctaccacac tgtaaccacc tagacagtga catggctgac cctattctct gcataccaat
180781 gcaaactata atcctgaagc tgtgtaagca ctggccaata gactgtaatt tgggttttctg
180841 aaactttcat caaactagca atgaatttca gtaaaattct tattgtatac agttctacca
180901 agcaaattat taagagtgcg tcaatttcaa gaagtgatta ttttatattt ggcttcattt
180961 ctacttctg gtagctttca atctctagaa gcacctgat atcgtttgga tctctgtccc
181021 taccaaatct catgtcgaat tgtaaccccc agtgttgagg gtggcgctg gtgggagggtg
181081 attgggtcat gggggtggag ttctcatgaa tgggttagca ccatccctca gtactgctct
181141 catgattgtg agtgaatgag ttaccatgag gtctggttgt ttacaagtgt gtagcacctc
181201 cctcttctct ctctcttctt cttgctctgg ccagtgaaga agtgctgct tccccctcac
181261 cttctgccat gattgtaagt ttcttgagga cccccaaaa gcagaagctg ctgtgctccc
181321 tgtacagcct gcagaaccgc gagccaatta aacctctttt ctttataaat taccattct
181381 caggattttc tttatagcag tgaaagaaca gactaataca catctagagg ctgaattatt

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# FIGURE 1 (continued)

181441	atcagaaata	ttttttaag	gaaatcta	gttagggga	agtttgaaa	aatggatc
181501	aaggctctt	tgcaatgcta	agcagtcagc	attttataaa	ctttcatgaa	gatacaccag
181561	ctatgaagta	ggacacatgg	taatctgcaa	aacaccccg	atttcatttt	taaattgaaa
181621	ttattttaat	aatctacaac	tatgattttt	tctaaatctt	ggggcaagca	aagagaaggc
181681	acagaaagaa	aaaaattata	agttgcactt	aacaacattt	ttaaattgtg	cttaatcaaa
181741	accaccactg	tgaaaatgaa	caaaccacca	actgagagaa	aatgatcata	acacacaaat
181801	ctgacagagg	acttgatcc	agaatatgta	aggaactcct	acaactcgat	aataaaaaata
181861	atcaaataga	caataataat	taatcaaatg	acaatcaaat	tctataaaga	cttgacacaga
181921	tacttcataa	aagctatgtg	catgacaaat	aagaacatga	aaacctcctc	aacatcatta
181981	gtcactgggg	aaatgcaatt	aaaccacaat	gagacactac	tacacagcca	ctagcatggc
182041	ccagatgaaa	aaaactgtga	acaccaaagt	ttggaaatgt	gtgaaacaac	agggactctc
182101	ttacattgtt	tgacaggacta	tacaaaggta	caaccacttt	gaaaaacagg	ccatgtcttt
182161	tttttttttt	ttttttttga	gacggagtct	cgctctgttg	ccaggctgga	gtgcagtggc
182221	gcaatcctgg	ctcccgga	cctctgcctc	cgggttcaa	gcgattctcc	tgccctcagcc
182281	tcctgagtag	ctgagattac	aggcatgcac	caccatgcct	ggctaatttt	tgtattttta
182341	gtagagacag	ggtttcacca	tgtaggcag	gatggtctca	atctcttgac	cttgtgatcc
182401	acccaccttg	gcctccaaag	tgctgggatt	acaggtgtga	gccaccacgc	caaaacaggc
182461	catttcttaa	aaagttaa	gtttgtcgat	catgtgatcc	aaaaattcaa	ctcctatgaa
182521	tttatcaaaa	agaaattaaa	atatataact	aaagccttgt	acacaaatgt	tcatggcagc
182581	taaaaaactga	aaacagccca	gatgtccatc	aatagagtat	gataaactat	ggtgagcacc
182641	tgccacagct	gggacaatca	gagtgtttct	ccttgagctc	catcttctgg	ttaggttttag
182701	tcaaagttag	gggagagtac	aggacagaag	gagagagagc	ttaggttatt	ttttccctt
182761	ccctaatagc	ttttgcatca	cagtttgggc	agtgtgtgat	ccctgagatg	tgctgagttt
182821	tcttagattc	aactgcatat	tcagtgtcaa	agactaacag	aggacacact	tagagccact
182881	ctactcagaa	ggttataaga	caggaaacac	agcaggccag	tatcagggtat	cccttttcaa
182941	tgggagtgtt	tgctacagtc	catgccaaaa	caatataggt	ataaagagca	aaacagctat
183001	aagctgactg	tcttaaaatc	ctcatatcct	acaggagcca	ttatctcttg	aaatggcccc
183061	ataggcacac	cgagtccaag	gaccagcaa	gaaacgtgcc	cagccacaag	aatcactgca
183121	gtcagagatg	gccaaaatc	agcttctcca	tcagggtctt	ataattctcc	caatccaggg
183181	atcattttta	gcataagcaa	agtcgcctcc	taacatattc	agcatgccaa	cttttctcag
183241	attgccaaag	aaacagagtt	aggaaactaa	ttaccgctca	agcgcctcac	ctgagggggc
183301	tggggttggc	taaccctttg	cccatgtcct	ctattattac	aacttcagat	ggccagttct
183361	tctcccacaa	ttccagctct	tgctgagctc	ccacacactt	ttcttcccc	catccacggt
183421	ggctagtctc	tgggtgtccc	aacatccact	gttagctcct	ttaaattctat	ataaatagtc
183481	ccttcatata	attatcttcg	aaatccaagc	taggtattcc	ttctgtttct	tgtcaaaaac
183541	tctaacatag	atatatacat	agatagatag	atagatatag	atacagatat	agatatatac
183601	acacacacat	atatatacac	acacacaaat	ataattatat	acatatatat	gtgtgtgtac
183661	atataatagt	gtgtatatat	atatagtctg	tgtgcgtata	gagaaataga	ctggaaggaa
183721	atttaacaat	aattaacttg	gcaaaaatcc	tgatgattta	atcttatttt	tottattttt
183781	ttgtagtctc	tgaatttctc	acaataaaca	tgttatcaat	ttcataagca	gacaaacctt
183841	tttttttttt	tttgagacac	ggctttattc	tgccacccag	gctggagtgc	agtgccacaa
183901	ccacatctca	ctgcagactc	gacctcccag	gctcaagcga	tcctcccacc	tcagcctctc
183961	aagttcaagt	ggctgggact	acaggtgcac	accacctcgc	ctggctgatt	ttttttgtat
184021	gaagaagaaa	tgggtttcac	tatgttgccc	gggctgattt	tgaactcctg	ggctcaaggg
184081	atcctcccgc	ctcagcctct	caaagtgtcg	ggattacaga	tgtgagccac	tgatttttta
184141	tttttaataa	actttttctg	caaagccatt	tttgtcctgc	tctgacaatg	tgactctcca
184201	tacctaagag	gtatacacc	gaaggttgga	ttctagcttc	caatccaatc	agctgtgcac
184261	ttttgaggaa	gtcacctcct	ctttctgggt	ctcagttact	tctgagaaag	ttatttcccc
184321	ttctaatagc	ttatgagtct	ataattctct	acagtttagac	caaaggata	tataacagct
184381	ttcttcagtc	atggcctccg	atggcataac	catatagttc	aaatatctga	aaaatactgt
184441	atgatgaaag	cagaggccaa	gagggggcaa	gaaaagggtg	ccactgatgc	tgatgaaaat
184501	tgcccagctg	caaaaagctc	tgtggtgcca	ggaaagattc	ttttttcaca	acaaagtgcc
184561	aaccagact	atctgtcctc	gtgatcatca	ggaaatatct	tgatttctca	tagtagaaat
184621	atttaatcag	attatctgac	caacatatca	tttctgtgtt	tctgggtcat	acaggaatgc

## FIGURE 1 (continued)

```

184681 cttcatggag aattcaataa aagctctcct ccatatgcca caagaagaga actgtccctg
184741 aggccaagat caatagatac ttgttgattt gactaattgg ttgccaagag attctgagtt
184801 tatecttaga aaaattatct gtggtgttga ctaggccaaa agggatcttt gaagcaaaat
184861 aaactcattt tcaaaaatca aaaacagcaa attaccgcga gcttcgtaag ttatctgata
184921 tgcaaataag gcatgcgtta ggattgggaa aatacaaacc tgccataata aagacagctt
184981 gtccatgtt ttccagacaa tgcatacat ttctgtaggt tcctgctatt tcttgtcatt
185041 agatggatcg tgtgtctggc agtaccacaaa gcagggaata agatacttca ggcagattgt
185101 ttttatcacc ttggaataat gccataaaat gaaggaaacc ttgactacat cagaagctta
185161 acagaggaaa gcaaagaaat ataaacttca cagtaatctg taaaatggag gtggcaaggg
185221 cagtttccca gatttactg gagatctaac agattggcac tggaggtaaa gagctctgaa
185281 gtacttctt gtttgttctt caaacccaga aatgcatgct cctgtggctt ctatgggttt
185341 tggaaatgag cagatggtca ataagatttc tgtgcctgtg actagcatac atttaaaaaa
185401 tccataaattc ctgccctcaa ccaacacaca cctaagtaca tttgggggtca agtagagtcc
185461 atggccctta ctggaactat acaaatccct ggaccaata ataaaacatc tttcagaatt
185521 acatgtcaaa caatggtctg tatttcttca attttagcta atattgagac aggaagacat
185581 caaaaaaaaa ttaattgttg ctgtcagcaa taatagcatg atcttggcaa gaaaggagat
185641 caatacaaac tacaattttc ctcaatcaaa tgtttgctaa ttttttctca agctt

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184681 cttcatggag aattcaataa aagctctcct ccatatgcca caagaagaga actgtccctg

[illegible]

一

# FIGURE 3

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1   aagcttctct aaactgacct tggaaattga accaccattt ataccatcat ttctgcatgg
61  aagtgtaatg taatttccaa gaaaatgact tggagatgaa ttgtgagctc agtctgatca
121 gaagttaggag gcagcctaga ttcccttggc ctccctggctc ctttggcctc aacgtgcatt
181 gttatcctca ttccctaatcc ccagatgcaa atattgattg atgtttaaat ggcaactttt
241 cattaatgag cttagagcac tttgtgaaaa tgtgtgctct tgccacctct gggacatctg
301 cctaagttgt ggtaaggggt ctggctagga gttaagagcc ctggttctag ttctgaagct
361 gccatacatt agcttaaagc ctttgtgcaa gagagaggag aagagctata cttttagggt
421 ccttgcattg ccattgtcta tgatttatga ttttatggtg agtagatcac agacagtgc
481 aggatctttc catagctccc ttttctggctc aaaatgcagc aagaatagtc caaccacttt
541 actaggatgt ctttattttt atggcttttc caccaaatgt attgctttcc ttagctggcc
601 tgggttttgg ggacagatat ttggctatta tgtccacaaa tgcccttgac aacaggcaac
661 ggaggaggta ggagccagaa gctttgtaag tttcataact tacagttcct gctgggattt
721 tgatttgatg aacctgtgtc accttaataa attatgaagg cttctctttt ccttgaatct
781 ttcccttgtgt ctttgttcca aaacaggcca aagaatgtgc tctagaaatt ggccatctcc
841 ctgttttgaa ggtgaaagat tgctgggtgt caccctcaaa aggagacctc tctattatat
901 gtttctgtgg ttccaagctc actgtgagct gtgcctttga cttggcaaag gaattcatcg
961 tttgaaaagc tatttctagc ccagcacagc tgttctactgc ttaagttcag caaatgccac
1021 cttttttgca gactgtccta ataccctcag agaaattatg gcaacctaaag tgtgtgactt
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1141 tttgattata ttctctctc tcttatctgg tgcaatgtag gctcttaaaa gcaaaactca
1201 aaagaggttt tttgactac gttccttccc tgatctttgt gaaatcaagg aatcagatga
1261 taatagtgat aaactaataa cagcaacagc aattctgatt tctttgatgc ttcttatgtg
1321 gcaggtaata tactagatac tttataaaaa ttatcatgct catttacaga tgagagaaaa
1381 gaggcatagc aagatcgtgc aatttgccaa agaaacttct taactaggaa atgtcagatg
1441 tggaaatttaa acctgggttc accttggtag aaggctcatc gtattccact atggcatgtg
1501 gattaaaaata cggatgtgga gatatggatg tggatgggga gctctgtaac tgccctggct
1561 ccgttttagct tacagatctt tgtaaagggt ctttagcagt ttgcccctaa ttctgctaaa
1621 ataagatccg cctctctagc ccgttcccc cctacacaat gacagaactt cttccctcag
1681 cctttcttct gtatctctgg gaatacccca gtggcagtggt caggagggtt cagcacacat
1741 aactcatgcc actgcttgcc cttccctagc ccgctctgct ggccctctga tcacctagat
1801 gatgetgtct ggagctcccg ctccagagcg cctgtcaatc tgataaagct ctgggatggc
1861 gctacactgc ctgtgacctc tagttgacct tgggccatct ctccctccct ctccagctac
1921 ttacaagccc ttgatgtccc tgetcatccc aggtctctct ctggctggag gggaaagaac
1981 tcaaccttct gtaccctgcc cttttgtgtg tttcattttg tgtgtggatg gtggaggtgg
2041 gaaggtgcag gccggcagcg gccttccttg ggccactct ggggttacag tttgttctgt
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2281 tgggtgacat gtctgtatat gaaaaccac agactccagg aaccacagaa tcaggaagtg
2341 tggctcaagg gagcaagggt gcatctctc acagacactg ggtgtccaaa ttccaggggt
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2461 attgtgattt tatccatttt atccctgctt tttctcttgc cctcctgcac cggccctac
2521 ccgccacctc ccattcaagc agataatagc tgactctgtg ctcaggcctc acaggaggtt
2581 tgcagcaagg cacaagcaa agactttgtc tctaagcttt ggaaacaaa gctaagccc
2641 tcagcagaag aggattcgat ggaaaaacaa aacaaaaaca aaaaacaaa gacagattgt
2701 cctgaagaaa catggaagga aagaagcaat tccccaaac tagaaagaaa tccattttgg
2761 ttaacaggag gtgaatgcag aggtgacaga gagacagatg gggctccagg agcacagaac
2821 caagcactgc ttccctggag agtgatgtca gcatgactca aaggcggcct cagcagagat
2881 gcttggggac ccgggagcca cagcacagag tgactagacc tgaggggtca ggacagccag
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3001 cccagaggc cttggcactg cgtgagctcc agaaactctg gcgttaataa ccacgggcga
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3121 gccagaagaa ataagagctt ggcattataa attaaagttgt tacagaaaaa aaaagaaaac
3181 tcgtcaacct tgtgtttgtg gactgggatt cacgccctct gccacctgcc ctcgtacccc
3241 tcgtgttcac ccagaaggag ataagagagc ctgtgctcgt actctatcct gggcattttg

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# FIGURE 3 (continued)

3301 ctagacgcag gccttctgtc ctggacccag gaataggtag cattgaccac gaatgcttcg  
 3361 tattacactt tcttttccat ttcaataatg attcaacaaa acagttttta atgaaaagca  
 3421 ttcggtaaac attgttcagt tttccagga ctttaagctt cagagggatg ccacaaaatc  
 3481 atcttcagag aagtttatgg tgcttgtaag gctgagaaaa caagagtcc taaagaaaagc  
 3541 tctgattaaa cattgtagag cattgtattt cctgccttgt aattgtgata gatggtagg  
 3601 ttttgttttt aaacaacacc tcatctttga aatgactctg ctggaaacct agcatttttt  
 3661 ttttttttca gaatatattcc actgtgtata ttaaattgac taaacattca gaagaaggag  
 3721 cacaaatcag acccaggaga gtctgttgca aagtgttaagt aggagagagg agatgttacc  
 3781 aatactgaaa atacactaaa attctgatga aagtaccaga ttcaatccca tgcaagcctc  
 3841 ttaggaacac tcaaatgtt gaaaaataaaa tggaaaaaag cgattacaca ctggcaccag  
 3901 catcgaattg tttaatgaac attacatggc ctggatccta ttactaatgt ttctcttctt  
 3961 tgacatatgt ccaactgatga aggaaagtcc tttttgggtt gcaaagtggc tttcagaatt  
 4021 tggacgctct gaaagataac aaacaggcaa catctttttac ttcttgctca caagtaaatt  
 4081 tctggcagtt tttgacaggt cataaacaca catgaaatgc taaacgtagt ggggtgttag  
 4141 atgctttcct taaagttgaa aaacattttt aaaataagtt tccttatgtc tacttttttc  
 4201 cacattctca actctgacat tcaaatgcac ttcacgaacc gacacgtaat aacatttgaa  
 4261 aaccaaattt ggaaaacctt cacgaattca gacttcactc ttagagaatt ttcaaagcat  
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 4381 gaaatattca tgtttgttag atatgcacaa gcagttaatt acatttggag ttgtgcttgt  
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 4561 caagctcttt tgtgggtttt tcttcctcac ccagctactt caaagggtga gttacttagg  
 4621 gttccatcca taaacctctt cttttctcac tccacaaact cacccaaagg tttgaattaa  
 4681 ctatatgcag ataatgtcga tgtttatgtc tccagcctca atctcttctc tgagctccct  
 4741 catgtgtatc ctgtcttagt ggttgactcc actatctatt gctagtctaa gccttaaacc  
 4801 tggaaatttat gcttaattcc tctctccctt cccatcatca tcttaaatat cactttaaac  
 4861 atccaccctg tctcttccca ctgttgctca cttattcctg ccatcatcct ttcttgtcca  
 4921 aatttctata gcaatctttt aactgatcca tctgcttcta aaacctttct cctgctaaga  
 4981 ccacagaaat ttttctagaa tgcaaatctg aacgtgtcac tcctctgcta aaaaaacttg  
 5041 ttcagggccg ggcattgatg ctcattgctg taatctcagc actttggaaa gctgagacgg  
 5101 gtggatcacc tgaggtcagg agttcgagac cagcctggcc aacatggtga aaccctgtct  
 5161 ctactaaata tacaaaaaaa aaaaaaaa aaattagccg ggcatgctgg tgggtgcttg  
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 5341 caacaacaac aacaacaaca aattgttcag gactctcatt gccctcaaga taaagccac  
 5401 acttcgctta ggtgacaag ggccttcatt atggagacca cattccacc tcagcataac  
 5461 tcttgacac cagactgaat gcactgtttg cttttctgt tccatctgat tagaatgcc  
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 5761 atatctccaa taatcagctc attctagatt cttgaaaaac atttgacaga tagatgaatg  
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 5881 taatttgccc agcttgggtc agtttccatc cctggtocaa tgagctgagc taggggtgtg  
 5941 agagtatgga tggaaatctc tagaaaggag tgtgggggta gaagcaatgg gtggcatgca  
 6001 taaccaaatt atacaatgtt cttcattgaa acaataaaac tgcattgtag tttttaaaag  
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 6121 ggtatcactg taccttcatt ttaatacata aaataaaaat tatacagtca ctttttactt  
 6181 attattaggg actcattcat ccaactgttc acaaatatta ctaagtacct actatgtgcg  
 6241 aagctctgtg ctagggactc ggtagatagc agaaaaataa atcaaatccc tgctgtcatg  
 6301 gtgcttgctt taaaaaatgt aaaacacaga tgcagcattt taaattagaa aacttaatat  
 6361 gaaagaagac aataggatgt tctgcggaaa ataactgggg ggatgtgatt cagttatgag

# FIGURE 3 (continued)

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6421 agccaaggaa ggattcccaa tcgggggaaa aaattacatc aaagctaaga tctggcttct
6481 ctgggaagaa tgcctgggat tggagagttg cgggaggaca aggacggaac tggagatccc
6541 tgtggagtta ttatgatact tgcagcaaaa gactatgacg cctatgactg ttgatgaatt
6601 caggagattc tgggagccag aactgattgc actttgattg tttctatgta ggggtgaatta
6661 aaggtgctaa gaataacagt tggggtagag gttaagcaca tgaactctga agctagattg
6721 tctgagttta aatcccagtt ccattagtaa gttatgtgac cttgggcaaa ttacttaacc
6781 tcactgtgcc ttggtttcct catctaaaaa gtgggtgata ataatagtag ctaccttgaa
6841 gatttgttat gaggattaaa caagttaaca tgcataaaac atttcaaaca ttgctgcat
6901 gtcggtttac ttacaaactg aaaaagaggt aagtttccat gcttctggct tgagcaatgg
6961 agcgatacag gtgacattta ttgagatggg aaagactagc agaaaaagag actttgatgg
7021 actgaagatc acagtttagc cttagatata ggcttgagat tgctcagacc tcttgacat
7081 ctctcttggg gcaggagtct gatctcagaa gagatccctg ggctggagat gtcaatctgt
7141 aagacttcca aatacaggca acatttgaag cccagggatt ggaaaggcaa gcaaggaaga
7201 gtgtgtagag tgagcaaagt gtgaatacag ggccaaagac tgacctgag agttccgaaa
7261 gccaaagtga gaatgagggg ccaactactg gtttatgtgc agtgctgtta tgcacatgca
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7621 gtttaaactt gataacagta aggagccatt caaagtgtta agcaacagtg aagcacgatt
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7741 atccagaagc tgagaggcca atggtgcac tgtaacagta acccaggaaa gaaaaggcaa
7801 cacaaggca aagaaaagac aaaccaggac tgtgggggag gccaacggtt ccaatttaag
7861 taatgaccac agcaagaaac agacaggatg aggtgattga ctagttagag aaggtaagag
7921 agaggatgac gccatggcct ctgcttttgt tcagactatt ctgtgccctt aaaatattac
7981 atttttcccta atccatcctt atgctccatg cagcacccctc aatgtcttct gtagggataa
8041 ccctttaatt ttcaaataatg ttctcatcct gtctcctgat gaatgcatgc agtcattaat
8101 tagctcaagt ggaaaataaa gatgcgactt acttcatatg cactctaggt cccaggcctg
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8221 ataccccagt gattgatttg gtctccacat cacctggctt aactaagtat agaagtatta
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8461 cattaatttg ctttccagct atacataaat aaataagtgg ctgctcctt gatgtgagct
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8821 ttcaattggc atcaagaata acacattatt tccatttttt tctacctca ttgggetttag
8881 ctttcttgct tgggtgttct catggtctct tagtgttcag aataacctcag ggctcagttc
8941 ctagtctctt tctctataac ttaaaccctt gatcgtctca tccgtctca tgggtattaaa
9001 taacaccttt accctaacaa ctcttcagtt agtacctcct ggtctccagc cttactcagc
9061 atctccactt ggatgttcaa tagacatctc aaactcaatg tgtcaaatat ggaactcctc
9121 atctcccttc aaaaactggt ctactcatag ctttcttat ctcagttgat agcaacttga
9181 ttaagccagt gctcatgcca aaaatcttga agtcatcttt ctctcttctt ctcaaatcc
9241 acatctaate ttgttgatag tgtctgcaag gtacaccacg aatccattct cttctacctt
9301 ttcactgct accatcctga tccaccaact cttggctcaa agtcaactaca atatactccc
9361 agcttctctt cctgcttata cacccttgct tagcaccaga accatagctc aagtaatcct
9421 tcttaaaaag taatcagtgg catcacttct ttactcaaaa actgcaatga cacagggtaa
9481 aagccaaagc cttaaaaatg cttcaagct cctacctggt ctgctccctc cctgagttt

```

# FIGURE 3 (continued)

9541 caacctcatc tcgtgggtctc ccctgctcac tctgctcctg accactggcc tccctgctgt  
 9601 ttctgagaca tgccagacaa gctctatgtg tgccctctgc cttgaatgct gtcggatact  
 9661 agaggccagc cccacccttc tttcatggct ttgttcaaat gccatcttcc caatgccact  
 9721 tatcctgcca tttttcatac tgtcacttgc cccagcccca gtggccccag cctccttgcc  
 9781 ctgctttact tttttctttt tccatagcac atatcacttc ctattatgtg atgcaatctg  
 9841 cttattttatt aggttcacta tcaactgtca tctctgctgg agtgtaagaa tcacaaaggc  
 9901 agaggctctt gttttgttca ctgatgtatc ctgaacacca agaacagtgc ctggaacata  
 9961 ggaggcactc agtagatgct tattgaatta atgttttagg cttcaatcac aaggggccct  
 10021 agtataaggc aatatattatt ggacagggtga tacattcagc ttcagggttc caatctgagc  
 10081 cattaacata tcttacaagt ttgaacgaac taaaaatgag atgtctttga tccatttctc  
 10141 ttctagctca ctccttcaac acatttttca tccagtgct ctggtcctct cctcaggaca  
 10201 gggaatggat acagtcaata gtgtctgttc aggggtttatc ctccctagag taatttggtc  
 10261 ctctttctcc ttattcccat gaaatctgaa ctgtgatcca atttctcaag accttaaac  
 10321 taaaaaaaaat gagaactagt gacccattt taagaaatat tgcagattgt aaattaagcc  
 10381 aatgctgctg ttaaaccaga tttagctcat tgacatctag aggaaataca aacgattgcc  
 10441 agaactttat agcaagagag aaggatacgg tatagtggga aaccaagca aagggtgga  
 10501 ttgggagctc tatgttacta gaggctaaca tgaatgtccc agaggagcga aaaagagggg  
 10561 cacaaatgga aggaacagat catggggcac acaccttatt tttgcctaag gtggacaact  
 10621 gggctaattc accaaaggtt ttgtgagccc cccatcgtgc tgctggcacc taggatagcc  
 10681 ggggtggaggc ttctccaaca attctaagaa ataccatgg aatgagaaat gccaggcag  
 10741 atatgtggca agcgtatct cccctggagc tcttctggag accctgggcc acttccacaa  
 10801 tgctttctac actgagaaca ctctactc tcaactctaca ctgagaacac tcattaggat  
 10861 caaactgag aacactcatt aggatcaact agaggcaggt tgagttttta tttactaag  
 10921 taccacagct cttgtgcata attaactctc aaaaaactaa tttctttccc agcactgaat  
 10981 tatccttggg caaaaagaaa tcaacatgat aaataccagg cacatagtgg gcatttgaca  
 11041 tccctcttcc catgtctctc gttttcctct agtaccacc ctcccaacct cctttgagat  
 11101 gactattttc catatttgct tctttcatgg catatctgta ttgcttcgta tttggcccca  
 11161 gatgtcagat tggtttgcat tactccaggc tgaatcattt gatttctctgt ccatgttctc  
 11221 aacctttcca gatcctcttg tatcatttct cagtcattcc cgctgtttac aatacctctc  
 11281 aatttaaagc catctgcaaa tctcatatc aaaccactga ctctctctcc ctccagatca  
 11341 taggacatgt tgaatgaaac aagacctgac agcaatctc tctctccat ttgaggcacc  
 11401 atttctctgg gttactttaa cttattatca tttttatatt atattgttat tgcacatgta  
 11461 ctccagcctt aggcatactt aatatgtgaa aatcgggatt catcattttt tgaatttaag  
 11521 ttattcacag gctgggcgct gtggctcatg cctgtaatcc cagaactttg ggaggccgag  
 11581 gaggggtgggt catttgaggc caggagtcc agaccagctt ggccaacatg gtgaaacccc  
 11641 atctttacta aaaatacaaa aagtagccag gtgtgggtggc ccacgctgt ggtcccagct  
 11701 actcaggagg ctgaggcacg agaatcgttt gaaccggct ggtggagggt acagtgagct  
 11761 gagatttttg cgttgctcct tagcctgggt gacagagcaa gacctgtct caaaaaaaaa  
 11821 aaaaaaaaaa aagttattca cctacaaaa acttaattat attaatccct ttactagtga  
 11881 cttttcctag tatacttaaa atactttgct taaaaagtaa taattaccca acttctcaag  
 11941 gctggttaca gccttgaata taggttttta atacccttta gctacatctg tctgtaagaa  
 12001 attttttcct agtagagttt ttgaataaga ttcaaattct ttcacatcaa tattagtaag  
 12061 catctgagga acacaccagt tttctcactg gcgattcatt ggatcttggc ttcaactttt  
 12121 ctcaccctt ttctctgat gctcaaaaata tttccaaatc tcaactattct tccctcttta  
 12181 aaactttttg tgtcccttct atgtgccaa cactgtgctc agtgctgggg tactaataaag  
 12241 aaaagagtct ccattctctg gagctgttaa tccaagaaaa aactaaaggg aagtagtact  
 12301 tttgagtacc tgccatattc tggacctgca atgtatataa tcccttttac accccacaga  
 12361 aaccccatct aatagctgag aaacaggag ttccagagaag ttaattaatt tgctgtgat  
 12421 gcagaataca aatagacaat ttacagaaga aatacaaaag gacgatagac atatggaaaa  
 12481 aatactcaac catgcagtta ttaagtaact ggtttattaa gtataaaaaa tgctactttt  
 12541 ttacctatca agtggtgtaa gagaaaaata atactctacg ctgggtgggg tgagtaata  
 12601 caggctctct tgcatagggc tgcagggaac ataaaggggc aaaatcctcc tgagaaactg

# FIGURE 3 (continued)

12661	tataatatgt	aacaaggacc	attataagag	gaactcacct	tagtgtccat	cgcaagggaa
12721	tgaaataaat	gatgttacat	ccatccaatg	aaattgtaca	tagccactaa	aaatcatata
12781	gaatatgtaa	tgacctagaa	agattttacca	aatattaaat	gaaaaaggca	tattacagaa
12841	tagtagatac	tactggatga	caatatatac	aggattgtgt	gtatgtgggt	gtggagaaaa
12901	taaaagactg	gaagaatgga	taatatgtta	acaggggtta	ttcataaaag	atacgacaga
12961	gttcttttcta	ttggatatctt	ctacattttca	attattttaa	aaacccaaac	ataaaaatgt
13021	tcatacatte	agatctagtt	atgcaactgt	attgcaataa	acagcaatgc	agactaagag
13081	tcaagtaact	tgctcagaac	cacccatcgg	gtatattact	ttaagtctcg	ctttctaaagt
13141	ctgaaatcca	ttttctttct	acaacctact	cattcagctc	cataacccca	attatatect
13201	aactagagta	atcccttgat	gacctttcta	gtttctaggc	tttttatcac	gagattaatt
13261	tctccacca	aaatggtttg	ctgttctaaa	atctctaagc	tggcactctt	tctgcgataa
13321	gcaactcttt	cttttctcaa	agcccgcctg	ctggcagggtc	atcccgat	tcactcatctg
13381	cttttgttct	gtgaaatctg	atgagggctt	acgaggtctt	cagcatctct	caacagcaaa
13441	cattgggtatt	tgggtttgaa	caattctttt	tgttgagcag	ggctttgtta	gccctagcca
13501	gcttaaatgc	cttcaaggct	tcactgtgac	aacagaactg	ccaccacaca	tttccaaaca
13561	catcccaagg	gtggccaatt	gagaaccacc	ctatgatcgg	ccacagctaa	ccctctgacc
13621	tcactctttct	ctactccctg	gctttctggc	tccattccag	ccacactggg	ctccttgctg
13681	cccttctcat	aagcccacaa	aagcagggat	ttgggtgggtg	ggattggggg	ggaggggtgt
13741	tcctttcatc	tgtacaacca	gttctgtat	tcaattccct	cttttaagca	cttgatttgt
13801	ttttgatccc	ttttaaattt	gattcagctt	ccccactgt	aatgaacta	accaatgaaa
13861	ctaactactg	attccacatg	ttcccaagct	gtgcacttct	accgcaggat	cttccaaggt
13921	ctgaactgaa	aactgcgtct	gcatttccct	ttaccttcta	tgttttggga	aggtatctct
13981	aaactatctc	ttcaggacag	aagagaaaaa	ctacatggat	gcaaatcagt	catactgcat
14041	ttaaattatg	tgcactctct	tgttattggt	agttccttga	gggcagtctt	tgtaaccttc
14101	tcttttatatt	ctccccaaat	aaatgagtgc	ctggaaatca	taggtactca	agacctccac
14161	agcagcctcc	tccctgagag	attaggtggc	tggaaatgta	ttagacacgt	gggcactctcc
14221	aggcttccac	acagcagtc	ttactgagt	acagatgtca	atcctggcat	gaatgtgatt
14281	tgcaaggctc	caaaaacggag	attggattaa	atttgcttaa	atttccatta	ggctgtgtgt
14341	gtgtgttatt	ttttcttttc	tttttggct	tttttctctt	aatttctaca	tctgtctat
14401	acactcccca	cgtttttcta	aaccatttta	gcagcagtca	accctgtgaa	ttggatgtca
14461	tatgcaatac	aaaatgtaaa	tcatgttcat	tagatgaaaa	acgcaatttc	ccccctcatg
14521	gagaaaactg	ggacaacaca	tatcagaagg	ggcacaatat	gacagtcttc	aaataagtca
14581	gtgtgcttcc	tgcattttaa	gctgaaatct	gtttgggtctt	aattgtgata	tttgcaaagt
14641	gtcatgcttt	cttctacatt	gaaagatttc	ttagctactt	caaaatgtga	attcgtgagc
14701	ggactacctt	ctccaaacta	ggatctgggg	aaccaatcct	aattgtattt	atacatgcta
14761	aagttccctt	gttctttcca	ctcacgcaaa	acgcaggata	aatataatag	cttctcttcc
14821	acttgaaaaa	gcacaagttt	tggagccttg	agttggctgc	actggaaatt	agaaatgtct
14881	ttgatgaggc	acagctgtct	tcattttctta	gtcacaaatg	tctaaagcat	tccaggaggc
14941	tgactcatat	acctggagag	ggaccatggt	ttctcatttt	ttctcctgaa	gcccttgact
15001	ggtcaggaag	agaccagttt	ctcctttggt	ctacagctag	gaacttaact	acaggatgat
15061	cttaagtaag	ataaaacctg	acatttcttc	accaccattt	gcttttcatt	ctcttacatt
15121	tgtctcaaac	ataatgtgca	gcacttagtg	atctttctgc	tatggagact	cactgaagac
15181	aagatcccaa	catggcaaaa	cttaagagtt	ttctcaccaa	tagctgctat	ctgcagcaaa
15241	ggaaagagag	caccttgtgt	tgtagcctac	cgtccactga	aggagatcag	tatggacatc
15301	caggagtttc	tgagtctccc	agatagtctc	agacgaaagt	caaacctctg	agatgagcaa
15361	ttaagaacca	acatttttga	aactctttgt	catatgggtc	gcagctttgt	gactctaaat
15421	agttgtcttt	ccgcaaataa	ttccattatt	ccacaacagc	aactcctctt	ttctgttctc
15481	ttgcagcaag	caagtgatca	ttactcacca	cctcaatcca	cccaagggct	ttcacctgga
15541	acccaaagtg	cgtaagtaat	taagatttgt	gttctttggg	gaaaggagta	tcgacaaaga
15601	tgtagcttgc	ttctcatgtg	agaaaagtac	ttacatacct	acacagttct	acttggagg
15661	cctatgcatt	ttactatatg	ttaattacaa	ctcaatttta	aaaaaatcta	ctagcaaaga
15721	caccattctt	ctcagggaa	ttgcccttat	ttaaacctaca	gctataaatg	acagggttct

# FIGURE 3 (continued)

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15781 ctagaacccat atactttgtc ccataaacga agcagtaaaa aaacctgaat atcttcctc
15841 caactaaaat tacattatct ttctcagtta aatcttccat tcaattacaa tggactatca
15901 ctatactatc tgggtgagca aaagggtataa tttacaagaa acttacagag ctgaagggat
15961 gagagaacta taaccttgca aagttgtgtg agcatctgag gtccacaca aaccagtggc
16021 ctagagaaca ggccctctaac ctcccttagc ctggagtggc cagagcaca gtggtctcaa
16081 cacataacag aaagaatgga catcttctgg ccaggcacgg tggctcacgc ctgtaatccc
16141 agcactctgg gagaccgaga cgggtggatc acctgaggtc aggagttaa gaccagcctg
16201 gccaacatgg tgaaaccccg tctctactta aaaaaaaaaa aaaaaatacc aaaaaaaaaa
16261 aaaaaaaatt tagccgggta aggtggcagg tgccgtgaat cccagctact tgggaggcta
16321 aggcaggaga attgcttgaa cccagggtggc gaagggtgca gtgagccgag ttcacacccat
16381 tgcactccag cctgggtgat aagagcaaaa ctctgtctca aaaaaaaaaa aaaagaatgg
16441 acatctttta aaaaccact atgtctatag ctcagtecca gccctgaaca accacattca
16501 accagcaaaa aattcttcgc gatgaaaaga tttacctcaa agaataaata acattaaatc
16561 gagaattcat aagcagtcag gagatttgag atttttattg agaaaatagc tattttgaca
16621 ttatatccag tttctcattt atcagaataa attctttaca atattgatca ccatcaccac
16681 tttagtgtat ttgtacatag tctctagta aatatattc acactcggca aggcctagaat
16741 attgaaatta tggccaacat tgcttacttt aagattgttt actttataaa gaagctagag
16801 tagttgtgca actagaacag atgtttttta aatgtttgcc attcaaagat aggcctgggtg
16861 ggacaaaact aatatgcata ctacatacat atatttcttg tcttctttac tgtcaatctt
16921 tcagaacagt aacatgacat tacaacacc tcaaattccc acttcaaaaat gaacagaaaa
16981 atggaaaaac attatttccc atttcataaa attaaaaatc aagtcagaag agaagtaaaa
17041 ctcatcttta tgcatttaac ttaaaagctt gaatacacga ctccctctag agagaaggaa
17101 gccagaactt cagaagtagc cagtgggtcca aagaataaat ggccccatga ccttctctat
17161 gggttcagac ttactgaggg ctgatgcaaa ctctggcaag ttatttttca tgatttccaa
17221 ggatctggga tatgtaaacg aaatgattaa aagacatttc tctgaatttg caagaagacg
17281 actgaagaat cagaacaaag atccaacggc ctttcacgtg gctacatgtt caccattaca
17341 ccacaactca aaaccacag ggcagctttc tctcaaatac acattcaaaa tgggtgttcca
17401 aataatccaa ttgtatacat tgcaaaagaca cacaaaatgc ctccctacac acgattagta
17461 atctgggttt agactctgaa gtgataccaa acatatttag ctaacctctc caaaattgca
17521 ggcctagtag ggtttaaagt ttttaggata tagaatctgc ttagaattta gtgaaaacta
17581 tgaaccgtag actgtcttcg gtaatgaaca aaactggaaa atattaaact tcctttgctt
17641 tgtcactgag caactataag ctttctatga tgtatgtatc atactagctt gtatgtgact
17701 ttagtgtcat aaacacccat tgcctttttg gcacttttaa agtacagcca gaaaagggtt
17761 ggaaaattgt tctggaaata caagttgggt cctctgtct catggatgct taggaactgg
17821 gtagtctgct gaaaccacca gttcagcaga ccttgtaca gctgttcccg gccaaactggg
17881 atcctaagga aacaggctgg aagagccagg ggccctccct acaaatgcct aaataaccaa
17941 catatctatg ccgacagcca tccctctctc aatgccatgg tccaagggag tcttgacctg
18001 tctcttccca ttttactacc actggctaga ggggcaccca acaacaagaa acctttgtaa
18061 tgagtatgaa ctagcaaaaa cactgtaggg cagcatttcc ttaggtgtat ctctcagaac
18121 ataaatccca caagatacct acttttaaaa aaatctggcc ggggacagtg gctcatacct
18181 ataattccag cactgtggga ggggtgaggc ggcagaatca cctgaggtca ggagttaaaa
18241 atcagcctgg tcaacatggt gaaaccccat ctctactaaa aatacaaaaa ttagctgggc
18301 gtggtggcag gtgcctgtaa tcccagtaaa ttgggaggct gaggcaggag aatcgcttga
18361 acctggggagg cggagggtgt agtgagccga gatcgtgcca ctgcactcca gcctgggtga
18421 caagaccaag actccgtctc aagaaaaaaa aaacaagaaa tccatattaa aataaattag
18481 ggaaatgatg tataaaatag aggtgcttct tggagattta aaatgcacat tagcgtatca
18541 aaggtctgaa aggccaacag taactcaact ttgtctaacc cactatttcc caaacttact
18601 tggccacaga accctctatt ctctaacaa tatattctga caaaacactc cttcagggaac
18661 tgcttcaccc agaaccacac aggtgagttt taaaaaatat tatagcataa tttcaaatga
18721 ttaataagga tacaagaga cttattttcc tgtcttttgt tattttgtct acttattttg
18781 ttctgaataa tcttctatca catttccctc tctattcaca aaccttcaac tcgagttacc
18841 ctttctgata cctttgttca agaattgtta ttcttatcag aaatccatgg cacactagtc

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# FIGURE 3 (continued)

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18901 tggaaaaaaa taatTTTTgtg tctTTTTtaa ttcctagagt acctctccac ttcaatcaca
18961 atttaagtc agggcaggta tctgggctc ctagcaaaca ctacacccca acaagagttt
19021 gggagccaaa ttatTTTTgca aacccttaag aacacaaact aaaactaatt tatecttata
19081 tctctgcaaa aattagcatt ttgaacatcc aacgaaactt caagtttgag gataatgggc
19141 ttactgacct gacctttgat ttcacgtaac taacaacaaa tttctTTTaa atctggTTaa
19201 gaaatatgaa aatattgaaa agtaaacata aattccacaa agctgaatgg cagcaaaaaa
19261 tatttcttaa catcaagaac atatacaaaa gatgatcatt accacccaaa ttatctctgt
19321 tgctcaggat ttcagttata aaaatagcca aatcaagaca aagacaatta cagcttaaaa
19381 cgaaaagcta caccttcttc attaaagggtg agcatcttgt cacactgtgc atatggagag
19441 agaacaagta caaggcacgg gagaactacc atgtcaaggg acagagcttt ttcaaaatat
19501 tttatctca gaagtaaac ccactaccat agaaagaaaa aaatataatt agatatttta
19561 aatcacagca tttttgactt cctagggaaa aggagttttt ggttttaggg tttttttttt
19621 cttttctggt aaggcaaaat agatcttttag atatcatttg ttacaaacat gagtttttct
19681 taagaatgaa ataaaaattc tatttaactt ctatcatata tttattcaac taagttgaat
19741 actatgttta gaaaatttaa gttttaaatc atgggtttata tatagataat gatacattta
19801 atctatgaat ttactTTTaaa accactTTTta ttttgaaata cttagactc acaagaagtt
19861 ataaaaatag ttcagagaga tcccagggtac ccactgctta gcttctttt tttacatgta
19921 agcattttata tctaggTTTTt aaaagggttg aagtTTTTtga cagttgatga aaaactgtca
19981 aaaaattgta acaagcctgg taaatgcata tttttggagg aggttctaag gaaacactac
20041 caagttcaag taccactttt atcacatgca gctgccttaa ccaacagggt ttctaagata
20101 ctatccccct tacctgtttc tgctctttc aatgggtgtt tccattttt acagacttct
20161 gaaaatttta gctttgattg aaataagctt cccatttct tcatgttaat atatctagca
20221 atattgaata gaaattataa atggaaataa aaatgcttgc tttataaaa tctccagtct
20281 cgcagcacc ccaatataat acaaacaaa ttaagttgaa atttggtttg ttaatgcca
20341 ccttgtgtgg tcaaacaca gttttgaagg aatgaccacc ttcaatgttc tttacagctt
20401 ctttagtggt acttaaaaaa aaaaaaaaaa tcaatctgat ggatgattga tggtagtttg
20461 ttcatggaag atcttcatct tatgggaatt atctagtttt tctaatacata tactaccaac
20521 aaaaataaac acaagcatgt tccctttaat catattatcc tccaccatta tcccaaaag
20581 gcattggctc acagtattct gtttaagatt gtggaccatt tatcccaatg aactcactca
20641 aactttatct aaaacatatc atgacaggct ggtccaacag tctgttcagt ctgaaaaaat
20701 gttctgtgct ctgttcagat tgacaaaatg tcttttttgg ccgggcgcag tggctcacgc
20761 ctgtaatccc agcacttttg gaggcgcagg caggtgaatc acttgaggtc aggagttaa
20821 gaccagcctg agcaacatgg tgaaaccccg tctcgactaa aaaaaaaca aaattagctg
20881 ggcattggtg cacatgcctg taatcccagc tacttgggag gctgagacag gagacttget
20941 tgaacccagg aggtagaggt tgcaagtgag cgagactgcg ctactgcact ccagcctggg
21001 caacaagagt gaaactctgt ctcaaaaaa aaaaaaagtt cttttctaag agcttctgt
21061 atgtgtggct gctccctaaa gtacttttg ctcagttaca gcttctgtc atctcattta
21121 cttatacata aatagctcaa ctaagtaacc caacatataa actctcacta aactcacatg
21181 ttgcatctta gaaaagggtga tctggaagca ttatggacta tagtgagaat gtaaggctaa
21241 cagcagttca aagtagggat gacacaaaaa caaataaatc atattgacag tcattccctc
21301 tactaaaaaa gaataatact tgttattcta aaatgacctc ttttgattaa aatttcagtt
21361 cataaaacat tacagtatgc ttttttatca aagtctacat atcagaagaa catgagctcc
21421 acgttctgtg aaaactttta acacattttt cttcctaata gacattagca gttttgttga
21481 aaagaaaaat tgacataacc tagcattatc ttttgacttt gcccatggag aaacttggag
21541 ttaaattttac tacttaattt tagaatctgt cagtgttgat atggttctat aaatttttaa
21601 tttttttaat ttaaattttt aaaattttta attcttttaa atttaaaatt ttaaattgt
21661 cctgtttttac atgtaatat cttgtaatat acatgtaatg tacttgtag ttataactgt
21721 aatataatttc aaatactttt tggagggtct gatataaatc tgatataaat taaaaatgac
21781 tggccttgac cacagcataa gcagatgtct gatgaatgtg ctaaccaccc ttctccaata
21841 tacatccatc ctagaggaca ataaagtctc acagtcattga tttccaatat aacatattta
21901 ggtttcagac tgctggaata atagatttca gattgctgga atctaataat ctgcctttga
21961 agatgactga cacacacaaa cacacacaca cacacctgt tgtagaagta atgtgcaact

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# FIGURE 3 (continued)

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22021 catgaggtac tttccctcat ccaaacagat gaccaagatt ttgaagacta ccttattttct
22081 cacttagtta aaactttcaa gaaaaaatat ttagaatgac ttaaagactc ttgtataaat
22141 aactacctaa atacagaaca aattgggagg atgtgggtca aacacagctg agctccactc
22201 agctcaaatt agatgagtct tttgactaca aagctcattt tcttaacata tgggttcctg
22261 cagcacttga taagatttgc tgagcaccac agtaatcttt taagacacta atcaaaaaca
22321 tggttctaca ttttaaaaac ctgagaagta gttttaggac aacagaagca cctcaaccac
22381 taaaataagc aagttttctat tataagtaaa attaccacac agcaaatccc ttaacagttc
22441 agcaaccaat aaatagaaaa tattcattaa aagctgctat ttctgattgt tcttttgtat
22501 tcttcgacta taagtgaaac atatgaaaaa taattgggtg tcagaaagct tttgactaca
22561 tgatgtgcat cttatgaaag aatatgcac ttatgaaaga atatgagcca agcatagaaa
22621 acttggacca gatgcacagt atttctacta ccctggccat gggctcctcc tgagtagtgt
22681 ctaacaagtg ggcaatttca gtaagaattt tacagcctag catagtaacg ataaccagta
22741 cattcacttc ttctggaatt aatacaagaa agacaactga agatgtacta caaagacata
22801 ggtctaaaac tgccacattt gcccaagtaa actaaaagaa ctcttcttaa cctatatcga
22861 acacatcagc aaagaccaat gttatactga aatgagtatt atcagatgtt attatatgta
22921 accaccttta atatttatct atgtgctact aaaccccaa aagattagac ttatgagagc
22981 ataattaaaa agcacattcc tctcactttt ttaaagttaa atatggtctc ttctactgaa
23041 gcaattttatc tttttctggt tcttaaaata ggcatacaat ttctaaacag aagtaaaaag
23101 cctcagccaa aaagccacat attagggtatt cagcctggtc taagaaaact aagttaataa
23161 attgaataaa ttaaatacaa taaattagga gtgcacattc agaacagaat tgtagccttt
23221 ggtcagcaac atgtgaacca aaggcaaaaa tctgccatga ttaaggcagt tctttgtata
23281 cagtacgatg tgtttttctt ccccgcccc ccaaccaagt tcatttagca ttctctttgt
23341 tattaaaaat gcagtgccaa gctagaatac aagcttctta ataataatag taaaaataga
23401 tggcatagaa agttcctttt ggttttagagt cttccttaat acctattatg gtatcttctt
23461 tttgccttca cacacttggt gtaagagatt actgcaacaa tcgtttgact ttggccacaa
23521 acctgacta ctctcagggc gaaagccggt ggaaggaatt attttcttct tctgctggag
23581 tcaatttaag tgttggcagt ttccgaggag gaagctgagg gctttggcga agattgtcat
23641 ccactctgtg aaagtacaaa agatacatct gactaatgct gtggcaccgc ttatgtggac
23701 tgtggcctcc ccattccaaa tatagcctag aagagtacag aaccatatgt ttcttgggct
23761 gctagagaaa cttttttctt acaataatc tcaagaattc taaatgtcat acctcaata
23821 ccagctgact cagtttctgt aaaaagcaac gtggctcatt cctgatacct tcacagaatt
23881 atagttaatt ccacaaaata aatattctac tgaactcaac cataacttaa agaggtcttc
23941 tgatagtaag tgtaaaagcg gtactgttac actaagctcc agtttgcaaa ctatgttcac
24001 gtacagtatc ttatttgatc ttcccgatac gctatgaaga aaaggcagac acagaccttc
24061 tctgttgtac agatgagcaa aacgagactc tgtaagggtta agtgatttgc cccacgtcac
24121 aagctagtat gagagctgaa acttgaaccc aggtcttctg attccaaaac tattattctt
24181 tcaactatac ttctttacct caatgaaaat gacctgtatt ccaatcaaaa aagaccagct
24241 ttttaaaact gagaataggt agacaaaagg aagctagtac attaggcaaa aagaaagata
24301 aattctttta atgtaatcca gtggttttcc aaacactgga tcacttctaa atgaggtaac
24361 ccacatcaag ctcaataaac acagtgggtg acctcaaaaa ctgttagcca gtgtcatcag
24421 gcctcattgc cctatgagtt tgtaaaatag taagtattac tatttgtatc aggaaaaaaa
24481 aaaaaagcaa gcttatcagt tacaggggaa aaaatatgta acctctttgt atttttctta
24541 gtagaatcac acttgaaatt tctttgttg gttctctccc ctaccagtt cctcaatggt
24601 tctctcatga aaagaacacc ccaagtggca aaatatctac actggtgaaa aaactataaa
24661 ctatatctag agcagagaag aacaagaagg agaaaaaaat aaaactttca tgtggaaaga
24721 agaaaagaac acggtgctgt taataagaaa ggataagccc agtgcttaca atcttaagaa
24781 acattaagag acagagaggc agacacacaa gcaagaagtg tttttgcttt gttttttttt
24841 gtgttttttc tgatggagtc tcgctccggt gcccaggctg gagtgcagtg gcacgatctc
24901 agctcactgc aagctccgcc tcccgggttc atgccattct cctgcctcag cctcctgagt
24961 agctgggact acaggcgccc gccaccatgc coggctaatt ttttgattt ttagtagaga
25021 cggggtttcg ccgtataagc caggatggtc tcgatctcat gacctcatga tctgcccgcc
25081 tcggcctccc aaagagctgg gattacagga gtgacccacc gcgccgggc gctttgtttt

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# FIGURE 3 (continued)

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25141 tttaaagcaa atcttttggga tttcctagct taaaggggtac taactgtgtg gcaaaaagtaa
25201 acccaatact cttatctgat ctttcccca tcaaggccact gttggcttca aaacactatg
25261 ttacatacaa ctttagtgaa agtatattta aacagttttc tgaaaaacaa actctataaa
25321 aaaaactaaa aggggtacagt taatgtgtga cccaaatgac aatattagct accgaaagga
25381 aaatactgaa ctatgataaa atgattgaag tagacttgac cttttcaatc aagttggatt
25441 ccttatttac aagttgtgtg agtttctgca gatttgcac taccgtttct tgtccagctg
25501 gagagatgcc taagaagcca ggacagaaat cagagaaaga caggaaatct ttaaagcctt
25561 taaagctatt tagattgaaa gaatttttgag tctaccacc ctgtccagt cccaccctc
25621 cccaaaaaag gcaaagagga aaaccattct gggtttaaag gcgaagagag ggattcgaat
25681 gctctaaaac taaaccctga gcaaaacgga caaaaattta tccactaagt agacactgct
25741 aaccaagtgt tctgcaattg gccacaataa ttagtttttt tttttttttg aaaaaaaag
25801 cacagttagt ctcatttctt tctcaagttt aagctattcc tttctcacac ccatttcaaa
25861 taggtctttg gtcacaacta tctggatagt tttctaaggc agtaactccc aaaaagttgc
25921 ccaccagaca tccaaagtat tcagaagaac ttaaaaatac aaattcctag gattgatgcc
25981 taaaagattc taatttagta agtctggaat aggaccaag attttttatc tgtcaaataa
26041 tcaggtttgc taaccactgc tcccaagtta acacggttga acattactta atttcatgac
26101 tcccaacta ctaaccctt cctgtataca gaatacataa cccacaaaaa aataataaac
26161 tgtccaccta agccagctat ctttataacc tgtttcttaa aaggacaatt tcagccaacc
26221 atcccaatag aaatttagta tctgaatcac ttaagcacia ggctccactc tctcaatgaa
26281 gcacatccta agtaacaggt gccctctatt tactatactt ccattctgat gcaatcagtt
26341 ttcaagtagt ggaatcatgg cagtgtacct caccaaaatc aatctgctgc tgatttctgt
26401 tcatgcagga aaatgctaga agcagcaggt aaaaatcatt taaagtaatt gtccatttgc
26461 attaggataa atactgtttt tcagcaaaga cttataacct gtgggtttta ctttttagaa
26521 gaaaatgacc cacttcaaaag gggtaatat taaagaacaa gaagaagaaa cgtaaaaatc
26581 cagcgggaata gataaaaaggc aaatatctat ttatctatct aaataagaac taacatgaga
26641 ataaaaatga agtcggaaaa acacaaatcc ttgaagtgtc ataaaccact atttaaagac
26701 aatacacaaa cttctaaaat taaaataagt agtggatttt gcttatacat acataggaga
26761 atatgcaaac aaacattagc tgaaaaagag ccagcttacc tccaagacta agcctaaaat
26821 aactgctcag gatgtcatca caaaagcgac agaggttggg gagctgtttc agatgttctt
26881 gtagctgaac tttaggaaac cgtactttgt aaagaggtgc aagaaaacca aaaacatagg
26941 catccaaggt agaaggccta gaaataaatt aaggattttt aaagcacata agacaatatt
27001 aactgaaggc cgggtgtggt ggctcatgcc tgtaatccca gtactttggg agatcaagcg
27061 ggggcagatc acttgaggtc aggagttcca gataagcctg gccaacatgg tgaaaccctg
27121 tctctactaa aaatacaaaa gaagtggggc gtgggtgggg gcacctgtaa acccagctac
27181 ttgggaggtt gaggcaggag aattgcttga acccaggagg cggaggttgc aatgagccaa
27241 gatcatgcc a ctgcactcta gcctgggcaa caagagcaag actccatctc aaaaaaaaaa
27301 aaaaaaaaaa attaaattaa ggattttttt aagcacataa gaaaatacta acttgggatg
27361 gtgtttaatt tttttttcaa aattctcaat tctgaattac acagtatagt ctcttaaaag
27421 gtttactatc catttcagtt tacaaaaatt atgcaaccaa ggttttactc attgagtagc
27481 ttagactcta ggagaaaaatg aaattgtctt tatagattca tttttactca caaatgttag
27541 actggaggca gagtgggaac agtctgagat gttttaaatt cacatatgca gcctattaag
27601 tcaatgttag attatcactg gtagaaaaag tttcctataa taaaagccca ttaaattttt
27661 ttcttggttg ttttggtttt ttgacatgga gtttactct tgtcaccag gctggagtgc
27721 agtggcgtga tctcagctca ctgcaacctc cactccagag gttcaagcga ttctctgccc
27781 tcagcctccc aagtagctgg gattacaggt gccaccacc acaccagct aattttttgt
27841 atttttagta gagatggggg tctgccatgt tgggcaggtt ggtcttgaac ttctggcctc
27901 gggatgatctg cccaactcgg cctcccaaaag tgctgtgatt acaggtatga gccaccacac
27961 cggcctaaat cttgtttttt ttaagtaaaa aactcatctt ttggggagat aagaggactt
28021 gctttaaata gctgctcact gaatatatgt gcacaaaata ccaaatgat ttttaaggga
28081 atactcacgt atctccaaag aaaaactgag atgttcccaa tctgtttgat agaagattta
28141 ggcactcctt ggcactctct tatatcta at aaggatgaaa ttatatctca aaagtagaaa
28201 agatactcta aaactacttt tgaggaaggc atctctaggt aaactcaagt ctgcatttta

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# FIGURE 3 (continued)

28261	tcttgtcctt	tctctctagg	gcccttgctt	gaagaataat	ccatactata	cctgtgcttc
28321	cacttctcgg	aggtggtaga	ggggaggctg	tcctctggtc	aggagaatcc	tattcagtgc
28381	tcctttagac	attcttccag	gcaggatcaa	actcaaagga	aaaggaatth	gtgaagcaaa
28441	ccatggcttt	gtcacagtaa	agtaattgtc	actctcaacc	cagaatgtgt	gaagctgcaa
28501	aagaagagaa	aaaacactac	aaggatgttc	ttttattaaa	tgaaagatca	ctcaatcaac
28561	atgagagttt	ttcataaata	tcttttatatg	aagtgtcttc	atacaaattt	tccagttaga
28621	atgactcagg	ataaaacaag	attatttttaa	atgtgtgagt	ttgtgtgact	gctatcttcc
28681	aaacacccag	aacaaggcct	gacacatagc	aggtgttcaa	taaacatttg	ttgaatgaat
28741	gaattacacc	caattctata	catggagcaa	aaagatccat	ctcccacaaa	gaatttccaa
28801	catgacattt	tattttactt	tgttgtttca	catactagtt	gaatgcctaa	cagaatccag
28861	tttccacagta	atatgaagga	attaagatta	acataataagt	aaaattttct	cttaagactt
28921	ttctcattgg	tttttttcta	aacagactat	gtacattttgc	aactaggcta	ctaaaatact
28981	gtaatathta	agaacactca	ccactgcagg	gagaagcttc	tcttcgagga	gagcaatata
29041	agccaatgta	tctgcccctt	gttttgctga	gagttcataa	tcagcattat	atttctatta
29101	aaaaaaaaata	aaccaaagaa	actcagaagt	caaagagcag	cccaaagaca	gtaaaactaa
29161	tcaaatcagg	attcataattt	ttccttacaa	atagcaaacg	tggtattaac	atggggagaaa
29221	gagaaataca	aatccagtga	aacctattgc	ttaatgcaca	taaagttctt	agcacagcat
29281	cacatacaca	atatgggtcaa	taaatgttac	aatattaact	actattattt	tcagtcttgt
29341	taatgaccta	gttcagtga	tggcatgtag	tacaaacaaa	gcaactatta	tttttaacaa
29401	gaaggaaaca	gttccaattg	gctgtgtttc	tccccaagac	aaaagaaaaa	accttccaat
29461	ttataaaagt	tcaaaatggt	attgacacaa	tttttttaag	tacagtattg	gcaaaacaaa
29521	taacttatcc	attcatataa	atctttacat	gtttaaacat	tttggataca	taattctcta
29581	ctgttaaaac	atthagatac	attattccat	aaaactgcta	ttaagagctt	tttaaaaaata
29641	atatagttgc	tagttgggtga	gagctcaggt	gtcatgccca	gcacaaaatg	tgtaccaact
29701	atgtgacaaa	atacacaatc	ctatcaataa	gtttaatagt	gaaaatggct	aattaaatct
29761	acttacatac	aaattttcaat	aaaattcaag	caaagtttat	taaaatataa	actgactacc
29821	tcttcatatg	acttttcaaat	cacagaactc	atgctttaga	gcagtgattc	tcaaatctat
29881	ttttacatct	tgtcccagggt	atctccaatt	gtctaattgag	ttggcaaaaa	aaaataaata
29941	aataaaaata	agcccaacat	gcagggatca	acaatctacc	aatctacttc	ttcaaagtga
30001	accaccaccc	tgttttctta	aaaagtttag	tatttttgct	ggctgagaaa	ccatgtcgtc
30061	ttcagttgtc	aaaattggta	catcgccctat	aatcaaaaaa	cagtttacat	acaaggacac
30121	agtgtgattt	cctctgagag	attccaatat	cctaaaaact	atagcagttg	cacattttaga
30181	ggggaaaaaa	tgagtaagct	tgtcttggtt	tttttgctgt	ttcacaaaga	gcgggtctaa
30241	agaacatttt	cgttttctcat	aattttccagt	gattttcgctt	gcactttgag	gtattactca
30301	gaatgatcaa	accataaaca	acacagagcc	aagggtcacgg	taagaaacta	aatcctcaat
30361	attatagcta	tatacctcac	agcttttaaat	ggaagaagaa	aaaaaagagt	gcagaaaggg
30421	gagtgtaaag	gtttacacta	tacctcttga	acctctccag	gtgttatcta	tcacattgac
30481	tttcaagggt	gcaccagaaa	atttggcata	agcctgaaac	agagtgttga	atcaaacatt
30541	ttagaccaag	tgcgtaatgc	aaagctgcag	agcagcttta	cttcacagcc	ccatccccc
30601	aaggcagaag	gcgactgata	ctgaggccgc	atccctcccc	gtgatctcaa	gtagggacgc
30661	gggcgcagc	caccgggctt	tgcaggactt	tgctccccc	aaggtoctgg	ggatgcagag
30721	tagggagggc	gcgccccttg	cttcgggggt	tactccacc	gccagacag	ctttgtgagg
30781	cggacaaaa	tgggagccaa	gcggagaagc	cttgatgtcg	ccgcgggctt	tggcggggg
30841	tatcggccag	gttgggactc	gtcgggtggga	gggagcccag	ggcaatgcag	cgtgcagcgg
30901	ctcggccctc	ctggacccc	cagcgcagcg	ggaaactggg	gcaagtgcag	ctggcgccctc
30961	cagccccgcc	ccttctctct	gcgccttggc	ccgcgagggc	gctcaccat	caccaccagg
31021	gactcgtgtg	gaaccgatgg	gagtcctccg	ccgcctcccc	agcaactgag	ttccaagggg
31081	gccgccatct	tgcgcggggc	gacctttact	atcccgaag	tacttttctt	cctaatttcc
31141	ggcagtgaa	acgcgggggc	gtggctaagg	gagggaaagg	taatttgggg	gctcttgaga
31201	gatgagagaa	acaacgactg	gagggattaa	gaagaactct	taggagcagc	ttggcctaaa
31261	gggtaagagt	tgtgtgcctt	aagtcagacc	caccagtaat	tcttcaaata	ttaatattta
31321	ttagatccct	agagtgttcc	aaaccctttg	aacattaaat	ctgtgtgatg	cctaaattaa

# FIGURE 3 (continued)

31381 cctgttttga aaacagggat gaccagat ttacaagatt gtggtattta caatgtcgga  
 31441 gagaaagaac ttggcacaca ggaggcactc agtaattgtt caaccccttc tcccatgtat  
 31501 gtggcctctg cctgcctttc cagcctcaac ctgttctcac cctcatgttc actggcacia  
 31561 ccctgcttaa aagttacagt atttctgaac gtcaggtaaa ttgtgcccac cttcagtgtc  
 31621 ggctccttcaa tctggaatat ctttcttccc tatgcagctg ctccctcaaa aatgagctta  
 31681 actcaccttc cctgtgatgt ttttacaagg ttaggagctc tgggttcttg tagcccttg  
 31741 tgcataattg aattgtagct tctctcccta gctacagacc ttttgccttt cacagaagag  
 31801 ggctagcttc ataggtttg gacctgtgca gccacacaag gctctgtgct taaaaaggct  
 31861 cctcatttgg ctgatgtctc tccgtcactg tcttgaaatt ctttaagttt gaacaagggg  
 31921 ctctgcattt ttatttttga ctgggcccct caaatcatgt agctcgtcat gtctgtgggc  
 31981 ctaatgagca cagactaaat gtttcttgac gtttaacctg acagtttctc agaaaaacta  
 32041 ttaaagagga aattttggtc ttggaaatgc tatgatccaa acatatgact gggctcaga  
 32101 gttagaactt ggtgtctggg tctttttctc agaaggcaca gtagtcttcc tgggacacc  
 32161 tgcagtcac gcccttgagt tcttctctct attccactga gatggtcgga tcttcttaac  
 32221 taaaactcaa aagaaacctc tgcaactttt cgtaaaatta ctattcaaca aatatttgc  
 32281 aggcactccc ttactgttta cataatcatt caaattacag tgccagcctg cttaagtctt  
 32341 ttttcatgt ttcaaaacca agagttctaa gaaatgaaaa agagatatgt cagaaatgag  
 32401 aattcattaa taataactgt ataattggaa aatgcataac atatgtacca ttaaaactgt  
 32461 cgaaacattt attgagcagc tctatgtctc tagacatcat aaggttcttg aacaatacag  
 32521 aaatatataa aacatgaatt ctgtcctcgg gagtttacag tgcacaaagg agatatacac  
 32581 acaccaaggt gtaacaagtc agataatcac gagtaggggt agaaatataa gcaaaatact  
 32641 acagaaacac aaaggaggga cagtgcattc tctgtgtgat cagtggagac tatctgttga  
 32701 gtcttcagta taaagaaagt aaagtaattc aactttcaga ttgtaatgga acctccctgt  
 32761 tttgagggtt agaaatgtca aaccatagac tgacaaaggc aaggcagggg gaaagaaaat  
 32821 cctaagccat aaagctgagg gtccatatac tacattcagg catttaaac aatcatacag  
 32881 aaagaatgtg gatttcttga gccttggttg tagcaggact gagaggagt aatgaacatt  
 32941 cttagtggac acataacaca gttactcagt ttggccttct tccgtactgc tgctactaca  
 33001 tacagtgatt tcatttgcac taaagagaaa ttaaactctc tcccttagtg ttgaattgag  
 33061 acagaatagc atgtcattgc atctgatgaa agaactctta cacacaggtt tattagtga  
 33121 tagataatag caatctttta ttgtgcagt tctcttgag agtctgtatc tgttagattg  
 33181 aatttaaaaa actctaaccat agctgattgc acaaacaggc tgaatactgt tccagagaa  
 33241 cacacagaaa attgaagcct tcagaaatta tgcttggtat ggttagtttg cctctgtgcc  
 33301 ttttctggc tgttttagag tattgttcag agttcatcta aatcataact tcagattcct  
 33361 accgggaaga atactgtctg caaaacatcc atgtttgtgt gggatggcct gaatcacagc  
 33421 ttataatga gtatcccaga cagtgttttc ccaaaaaaag aaatcttatt tttcaaaaga  
 33481 tgatcattaa gaatggtttc atctgggtgat agtcatctga actcaggcaa cctgaccttg  
 33541 gcatccatac ccactccttca tgtgtttctt aacttgggag ccacagtgc aagtttgtta  
 33601 ggctcttttt gtctgggtga ttaagaatct gggaaatggt gctgttggga aagatgaaag  
 33661 gtttgtgaca aatgatggta cagtatatgg tcccttatgg gaaaattaaa ttgtaaagtc  
 33721 ttaaataatcc ctttgaactt gaagattctg taatttgtgt tcagatataa aatccttaag  
 33781 gaggggaaaag aacaaacact gaatagaaaa aaggagagct gagttcttga cttggcctct  
 33841 gattagccat atgcgcttgg gccaatcatt ttacattgat acctctgctc attcatttat  
 33901 aaagcaaaaag ttcttttatc tctgagatgc tatcatttta tgtgtaatga acatttaata  
 33961 atttctgaca tttatggagc aatttctaca tgccagaagt tgtttcaagt acttaacata  
 34021 acttgcttta tctccataat gatttcatga cacaggtaac ttcctaagggt taactaacat  
 34081 ctttgtgtcc ctccctgaaa atagaagaaa atatcagtac ccataatagcc agtaggtggt  
 34141 agaaccaaga tttgaaccca ggcagttttg gcttcagagt ttatactctt aaccactgtg  
 34201 tcatactgcc tcatgtagcc tctgtgttag tccattaaaa agcccagttt caccacaaagt  
 34261 ggagatatca atgccatgat attattgtta ttatttatgt aaataatatt tgttttagtat  
 34321 tacaccatta aacgaattca ttaagcagct tctgtatgcc tagcacactg caagcctgtc  
 34381 agggataaaa aatttatgtt cgctgtaat cctagcactt tgggaggagg gatcatttga  
 34441 acccaggagt tcaagacaag cttggacaac atgatgaaac cttgtctcaa cagaaacaca

# FIGURE 3 (continued)

34501	aaaattatag	ctgggcatga	tgggtgtgtgc	ctatagtctc	agctacttgg	gaggctgagg
34561	cgggaggatg	gcttgagccc	aggaggagaa	gattgcagtg	agccgtgatt	gtgcaaaaac
34621	ttatgttcaa	gcttttagag	gcacagttga	tgaacaagg	cccacatatt	tgaactaact
34681	agagactatt	aggaagtacc	atthttgtcaa	gaagacaagt	ctagtatggt	tttagacaaa
34741	ggcttgaatg	tactgcaatg	cttggcaaag	gcctaataag	agaagatgat	agctgatctc
34801	gaaggggtgg	tacgttgcac	ttagattggc	acagagtaag	gcattgcata	tgggctgtgc
34861	tatataagtg	aaggcataga	aacaggactg	actatggcaa	ggaatctgaa	gatgagtaaa
34921	cgaatgctgg	gttttggttat	aagctggaga	ctgctcaggg	agagtattgg	ttgactaact
34981	tgagaaccag	aattggaagg	catgggaatt	tatagttttg	agaaagtaaa	gacaagtaaa
35041	agtccaaata	caatatttagt	ggattttacat	agtcaaggat	gggaggtaga	cagctattgt
35101	tacatggaca	ttataagaag	aagcattttta	taaaccata	aactatatta	aataaagtaa
35161	aagtgtggtg	gaaaatgctg	ctgaatatta	ttggagggaag	gtcacttggc	acccttccgc
35221	tgagcatttt	tgatagagga	ggttggttaga	aatccagtg	caagggatta	ctggagaaaa
35281	gggtataaac	gataaggaca	ggtctaagag	catgaggaat	atgactgata	aaggaagaag
35341	agaaatggga	caggactgaa	agactcaaag	tttttgaaa	agacgacatg	gtgaatctac
35401	acacatatga	ggacaaaatt	ggctattatg	agtaaaagtc	tgaagatgct	ggagagaaga
35461	aggatgggat	cctagaaatt	gccctaagag	ttgaggctga	gatccggagc	ttgagcagcg
35521	gggctggcag	gcattgaaaa	tgagagacat	gctctctttc	tgacactgga	ggaagtttca
35581	aggggaacta	tgggatgctg	agtagataaa	tcagttacct	tcaaatttcc	ctattacatt
35641	agaaaaaaa	taaaagtgcc	tgagagaaag	agattggggc	tttaaaaaga	cagctgggca
35701	cagtggctca	cacctgtaat	cccagaattt	tgggaggcca	aggcaggcag	accacttgag
35761	gatcacttga	ggtcaggagt	tccagaccag	cctggccaac	atggtaaaac	acaatctcta
35821	ctaaaaaaa	aaaaaaatta	gctggatgtg	gtggcgcaac	cctgtaatcc	cagctactca
35881	ggaggctgag	gcaagacagt	cgcttgaacc	cagggtggcag	agggttcagt	gagctaagat
35941	cgtaccactg	cactccagcc	tgggcaacag	agtgactctg	tcacacatac	acacaaaaaa
36001	aaaggcggaa	taatttagag	actatatcag	gggttaataa	aaagtaaatg	ggagcattgc
36061	tgacagtcgt	aaaggtcaaa	tgtaaatag	tattaaggcg	ataaatcaag	ggagagccat
36121	gggcaggcta	atgattaggt	gcctctttta	acagatatcc	tttaaatatt	cattcagttt
36181	tttttaattg	aaataaagt	ggccccagaa	tgtaacaaga	tcaattttata	ttttaccaat
36241	tatttttaaa	gttttatttg	gaaatccgga	tttttagtacc	acttaaaagt	tggctcctgag
36301	gatgatagaa	gagggatggt	accctaggag	ttgccccagg	aattgaaaga	agatgaactc
36361	tgtagcttca	gcacgatggg	ggctcagcca	tccctgacgtc	tagctaaatt	tgtacagttg
36421	tgtggccttc	tctaaagata	ctttgttacc	cagaagcata	aaaagccaag	ttcatgtatt
36481	tggtagctat	gtgaagggtga	tcaggcagta	atatatactg	atagggtatc	atthttgctcc
36541	tccagcatag	taaacctgct	gtcttttgta	tgaaaaagaa	ttaaatgaaa	ccaaaatgag
36601	aatattataa	tctgacattg	tgctgaattt	atgttgagga	aataggacaa	ttatacttaa
36661	aaaatgaggt	ttgtaaagg	tccatagggtg	aaataaggac	cttataatgg	aagtaataaa
36721	tggaaataac	ggaagcctta	tttctatact	tcactcaaag	tggtaaaacc	taatatacca
36781	atagactgtg	atgttaaata	tgtatattat	aatactgaga	gtagccacta	agagaactat
36841	acaagtgata	tactcaaaaa	tactaaataa	atcaaaatag	tttttttttt	tttttttaag
36901	tccaagtaac	ccacaagaaa	gcaagggggc	agcagggggg	tgatagggtt	gaagtgggga
36961	ggtagtcaga	gagatgagaa	gttgagaata	aacagaaaaa	aggtaacaaa	atggcaggct
37021	taaatcctaa	aataccaaga	cttattctaa	atgtaaagt	gatctcaata	caccaattaa
37081	aagacagaaa	ttggcagagt	ggataaaaaa	cctaagctaa	atgtatgctg	tccctcagaa
37141	acttccttca	aacatgacat	tggtagatgg	aacctaaaag	gatggaaaag	ttataccatg
37201	caaacattga	tcaggaaaaa	aaaagtagta	tgcgtgtatg	tgtgtgtgtg	tgtgtatata
37261	tgaaggacat	tacataatga	taaatggatc	agtcacaaag	acaacatatt	aatcccaaat
37321	gtgtgcacca	aacaacagt	cttcaaaaata	catgaagcaa	aaactgatag	agggtgaaaga
37381	agaaatagac	aaatccataa	ttttaactat	aacataagct	atagttatac	ccgacactca
37441	gcaattgata	gaactactgg	acaaaaaata	agcaaagata	tagatgaatt	aaacaacagg
37501	atctaataga	cattttatgga	atgccccacc	cagtgcagac	agaacataca	ttattttttta
37561	gagcctatat	aacattccacc	aaagtaggct	attatgagtc	ataaagcaaa	cctcaacaaa

# FIGURE 3 (continued)

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37621 agtttttaaat gaaataatgc agaatatatt acttgactgt gctggaatta aactagaagt
37681 caataacaga aagataacag taaaatctcc aaaaacttgg aaattaacat acttctacgt
37741 aatcagtggg tcagagagga agtgtcaaca gaaaagaaat atatacaatt gataataaaa
37801 atacaacatt tcctattaag agaatgacaa gaagccacag actgggagaa aaaaatttgc
37861 aaaacatata tctgttaaag gacttgggtc caaacatac aaataactct taaaacttac
37921 aacaagaaaa caacccaatc atactggatt aggatagact gcaaatccag tgattggtaa
37981 ctgatatggt ttggatttgt gtccctgccc aaatcacatg tcgaattgta atccccactg
38041 ttggaggagg ggcctaattg gaggtgattg gatcaaggag ggattccacc cttactgttc
38101 tcataataat gagttctcat gagtcctggt tgtttgaaca tgtgtcgcat ctcccccttc
38161 tctctcttcc tcctgctcca gctgtgtggg acgtgcctgc tttgccttcg ccttccacca
38221 tgatcgtaag ttttctgaga cccctcagc catgtttcct gtagagcctg tggagtgtg
38281 agtcaattaa acctcttttc ttcataaatt acccagtttc aggtattcct ttgtagcaat
38341 gtgataacag cctaataaag gtgaccttat aaggaaaaag agacatagca acacagacgt
38401 agaccagac ccaaaattgg tgaaatctga atgaactctg tggtttgtac caatgtcatt
38461 ttcatgattt taatatcgta caatagttac agtagatgtt acaattgggg gaaacatccc
38521 tgtacattta ttttacaact tcctgtgagt ctatacttaa ttgaaattag atgtttttaa
38581 aaagaattaa aggtaatgta atggcatgtg atgcaaaaaa tgggcacatg aaatatccag
38641 agcattcaac cagatggcag ctaaaaatgt ggaccatctg ccttcatgga actttgtatt
38701 tcggacatct tttcatcagc aagaccatgc catttaaatt tttcccaga agtgatgctg
38761 agctatgttc agtggccaca tggctctcta gaatcagtaa caatgaataa ggatggacag
38821 ccgggagtaa agatgctctc caggaaatca tcttaggact gggtaacccc actacacccc
38881 tgggattcag tcaaccttgg aaatcactgg aatccttaat ataaactaca aacaatccag
38941 cattctctgt ttggctaaaag atacatttca aagttttctt taagaaaaaa aagcaatata
39001 ttaaaacgct ttgtttgaat atatgtatat ttgctggatc aatagttcct acagccatat
39061 tactaaaatt aagggtctatg gcataataag aattactata attctaaacc cattaacagt
39121 ttatagctta tccatttctt atactatccc tgtgaggaat aattatatca agctttattt
39181 gtttacacca aacaggaaaa aatagatgta tttattcata tttcctccat tggattagcc
39241 aagtctacta gggagcaaaa atagtaaat cacatgcctc ctttttttat ggtagtaatt
39301 gaaaaagtta tggatatgat cccattttct tattgtttat gaaatgttga aaaatgagt
39361 tcttattttc agaacttaag tcattatgtg tattgtttat agggagttat attacttttc
39421 cagattaata ggctgccatc gataatgaag aacaaataaa tcctgccttg tgaaatgctg
39481 ccatttttaa atttgcctga ggaaagattc attattggag gattcctttgc tttatacata
39541 aatcgcttta aacagcaaag tctcctagca tttaaaaata gtccatatat aaaaattctc
39601 tcaatccaca atcatgtcag ttgtgtaaaa tgagatatat ctggtctgat acctcagttt
39661 atggaaattc ctcttgaaat gtcagtcatt actcacatca gtgcttttaa tgccatctta
39721 gcaaactaaa agaaattagc gtacattttg agtaatggaa gtgagttagg aagaggaaag
39781 aacagggtcc aatgagtttg aaatggtgtt tacagttggg tattgttcat agcttttggg
39841 actgtcttgc tccccctatt catcaagggt ctgaggcaac aacattaaaa tcaacccaag
39901 aagtatactg agtaggtata tgggagaatg gcatattaac ttcttgataa aatgtctcag
39961 tatgtaaata cttatgaatt attattaatt tatattactg tacttacacc atttgattac
40021 acctgcataa agctgcatac tcattttttac ttcaaagtca ggaactaact cttatatccc
40081 ccacagcatt tagttggcac ataatatagtg cttatagttg atggacacaa aacatatcca
40141 actattacaa gaacagaact tttattgctt cttcagtttc aaatgtctca aagttacctt
40201 ttgcttttga ccacaaagtc taccctctct tatggtagtt tctcagggtg tctgtgtcct
40261 ctctttccat tgcattttct tctcccaat ctaccagta actggagtct tctcctttt
40321 gctgcccctt gactacaagg catttccatc ttttggcttc ctaatatgtc atgcttctg
40381 ttattgccac cacagccttc catttccag ctctcatttc catcctaggg atgggacagt
40441 aaggctgtca tgaataagca taatttatat gcctttttct ccatttgttg gtatggataa
40501 ttaagtgacc ttcaactttc attcaagggt aatcatagcg ctgaaaacca aaaggataag
40561 atgagagtga gcaaatacaag tccagagagg tgtatttcca gtgtggaaca gtaactcagt
40621 gtaaatatcc aggagagagg cttccaagag agcgtatgtg tgtgactgg tgaggggagg
40681 aagggttacg ggcgggaatt gtggtagaag cttcctgagg ccaaagaaaa cattcccaga

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37621 37681 37741 37801 37861 37921 37981 38041 38101 38161 38221 38281 38341 38401 38461 38521 38581 38641 38701 38761 38821 38881 38941 39001 39061 39121 39181 39241 39301 39361 39421 39481 39541 39601 39661 39721 39781 39841 39901 39961 40021 40081 40141 40201 40261 40321 40381 40441 40501 40561 40621 40681

# FIGURE 3 (continued)

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40741 ggggtctctat tttaaagaaa agattttctt tctctgattt tttttatatg tagatgtctt
40801 cattatatat ttggacctgt ttttaaaaca gcttagtttt agatttattc ttcgagataa
40861 cttgtacctt tggacatcac caacagctta caaaaattag accagttgac tctcaataag
40921 acttctcacc tgatccatga gcatcatctc tttatttggg tttcataagc cagatgatat
40981 cttaaaattg gcaaatataa ttacaactcc gttgaacata tttttctcca gaaaatgttt
41041 tgagtacaaa aacgacatct agaggtgact gtcaatatat cttttctttg cacgtactac
41101 atatttgttg ccgtgtttta gaaatatttt agaagtttgg gtaacagaac cggcagtggc
41161 atttattgaa ttcttctcca caataactga agggatagta ttatactcgt tttgcagata
41221 taaccctttc aatccaacta atatttatta agtttactaa atgctggcac cagtataacc
41281 aagatcaatc agatgtagct cttgttactg aatggcgtac atggaggaga taaacacagt
41341 aacgtccact cttgtgtggt gagtgctgtt ggagattaat taagtgttat gaggttatag
41401 aagaggaatt attcaccat ctgcagaggg cttggggatg aaacagtgtc agtgaagcac
41461 tcctggagga ggtgtaccag gggaggtgtt ccagacagaa aacagctgaa gtaaaaacat
41521 ggaatagagc aatagtatat tgtggtctga gaactacgta taattcaaca tttcaggagg
41581 gtaaaagtga cggtagataa tgatgagaaa taagactgca ggcacagtca gaggcctatt
41641 taccacacac aaggaatttg gagttggagg caccaagggg aaatatcttg tttcaaaaag
41701 tgattacatg aggatttttg cccagttctg tttgtctcca aagccatgat ttttacatta
41761 aaccatatatt acttcataga cattcttcaa attaaccatt taccaaagat gtaaaaagt
41821 tataagaaga aaaacaatac taatttggaa gataataaaa gcattatttg gaaaaagcca
41881 gtgtagtata tctatttttca atttgaactt tgagtccaat gattagacat tttctagtcc
41941 catattttat accataccat gcagtctgct tttgttaact atcatataa gtgaaatgac
42001 aaactgacca gcactaata ctgggggttac actggtgggt accctacaac aggcgttttg
42061 ttcttttggt tctaaccact accttcagta gctgcctgac aaagatgtga atctgaggcc
42121 acactacctc aagggcacct ctaccaagac acatctgctg ggcctaataa aaacagaggt
42181 ttctoctagc cctagcattg gagactgaca taccctcaat ggatgtcagg ggagaccag
42241 tcaactaagga tgactctcct gcccctaacc cattagcatg tcccaaaaag aaacaggaga
42301 ccaaagacct ttgccttgta taacagtcac gctgcctcgg aaaagctggg aagtccctc
42361 ccagtgacct catgctctat cctaattgtga acgatgttca tgctttttca tcaaatcttt
42421 taaatagaaa ggggtgcagag aaagtcaact gtaatcactt ggtgcagagt gcagggagag
42481 agagcatttc atattcaaga agaaattgtc caagcagtaa atggcattgt ggtgagtcct
42541 gtaattggag atagttaga aacactggag agctgaggaa actccagaag ggagaaaaaa
42601 aaaaaaaaaa aggaaaaacct aagaacaaaa taaaagagtc taaaatttac acagaatcac
42661 aaaaagactt ctgaacaaaa tagcattgat ggtgctggga aacttaatta gtgcataccc
42721 cttacagcag gaggtgggta gaggaactgt tatgttaacg aaagatcatt tgaaaaaaa
42781 aaaaacaaaa acatgttgtc tttctcttta aaattttaac taaattccct gattcttaac
42841 agaacagggg atatacattt ttactaagg aacaagtgtg tttctttaa attccatatt
42901 atgatctgtt acaggtgagt ggggggcaag tagaatattg tggttactc ctgggatgga
42961 gaaagggtag ggggaatcgt attattaaga gagggatata ggagaggcct cagtaatttg
43021 cagtttgaat actgcaaac taagtagtag gaactaatgt ttctggagt attccttata
43081 cctttataaa tgccataata ctacaaacat ttcataaact tttaaaagt aattggagat
43141 tcgggcaata tttagggaaa tgagagggcg caagaaagag atcagagggg cagaggatga
43201 gaagaagagg agaagtaagt agggagagag agaaaaagg aaggaatggg tttgaacct
43261 gtgagctttt ggaaggggta ggttagaggt cacatcatgc tgttttctt atcaattctt
43321 acctgattg agtagctctc tacctgtttc tcaccaaag gttcaagcag ctgccatggt
43381 attctcatct ctacttcccc gccacaaaac agctccagcc aacataaagc agttcttcca
43441 gtagaaaaaa gaaaaaaga gcacctgcaa ttccctcaag aagaaaagaa caaaaaacaat
43501 gagtatatat gtatgaatga acctaaagca gctctaaact actccctttt ggggacagaa
43561 gcagatgoc tgcgcaaat caaaatgaaa tcccatatct ctgaagacct cctcttatg
43621 ttactgtata atttacctgc aagttgtctg catagttaat cgtcctctat agctcttggt
43681 atttatcatc aaaagccgct tgttgagagg ttctggagaa gctcttcatg tatccoggg
43741 tttaaacatt tttctacaag tctgtttctt taaaattaaa agttagctg agcacagcga
43801 ggatctggta gtaagtagta gggaggggtc ttcatacttg ggatgttgct aatgtgacct

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# FIGURE 3 (continued)

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43861 gcatgattca gggccagaga ggtgaatgaa gataaaggga actaagcgtt acagccaaaa
43921 gggttctgaa aatctcctag tcagattcct cagtttccac atttgacagt agctttcgca
43981 gggaacccca tccaccatga ctgagctgaa actagaagcc aggtttttca ggtgtcattc
44041 agggttgatt tagggttttg gttttctcct gcaaaatgga gaaaatggga aaattttaga
44101 ttatccatgt tagaaggatg atgaatgtgt gtaaatgata ttgttcagat tctgtgagtg
44161 ggaccagcac catattggac tggcctaggg aagtcaggat tctgccttct aggtaggtgc
44221 tcccatctgt tggtagacct gaacatctct ctgtgttcat tctggagatg cagatctggg
44281 tcccgagac tcagaccttt gcaggacact aggtggccc cttgttgctt ctcatctgct
44341 atagtctcct gccactgtgg cctacgggtt tgatttagaa attcaggaaa gactagaagc
44401 aagcaaacag ataaaagggt agtgaagtgt ttatccacta gagcaaagcc acaacttttc
44461 gtaattattta gctcttatta ttctaaattt taaattgttt tttattgttt cacttaccat
44521 gtgtaacttt cacttttcaa ttacacatgg caagtgaag aataaaaaaac aattttattta
44581 ttttttattt ttattttatt ttttgagaca gagtcacgct ctgtcaccca gggtaggtg
44641 cagtggcgtg atcttggtc actgcaacct ccgcctcccg ggttcaagtg attctcctgc
44701 ctgagcctcc tgaatagctg ggattacagg caccacccac cacaccggc taatttttgt
44761 attttttagta gagagggggg ttcccatgt taccagggt ggtctcaaac ttttgacttc
44821 aggtgatcca cctccttgg cctcccaaag tcttgggatt ataggcatga gccaccacgc
44881 ccagccaaaa aaaacaaaaa aaacaaaaa actaaaattt agaataataa taagagctca
44941 gaaaatgaca gtaattaaac aaaggtcaca cggaaaagtt gcccttgata tatctggga
45001 cagggtaggt tttccttatt gtcttagct ccttttgta atgtttatt tagtgcctta
45061 atgtactaa acagaaaatt cagaaaacat tgtagatgtc ttccttttac gctaatatc
45121 tccagctttt catacatttg caaaaagaaa tagattatgg atttctcaag gtttagccgc
45181 ttgttatttc cgtgtgtaat acaaataagc atagttaaag gtttaattta ttagcaaatt
45241 tgcagttatc tgaattaagt gtactccaaa ttagtttac aagacctgac aagtttgta
45301 ataagttaat tcacttctaa tgtattttta tatacccaaa ccacaaagca tcttaaactt
45361 tgtaaaaaga gtgtgcacgg aggaatgagc actagatgtg aattctagag aactggggtc
45421 caggtctgct tgtgtattgg cctgagcagt tcaactaact tccctgagtc ttggtgtcct
45481 gttttgtata aaggggaacc tgatccctct tctgctggc tggcagagca ctgtgagact
45541 ctggagaaat gacatatgtt agagatgttt ataacctgga acacggtaca cggtagttt
45601 tgtttggtgc attttttttt tttttttttt tttgagacgg agtctcactc tgtcgccag
45661 gctggagtgc agtggcgga tctcggtcct ctgcaacctc tgctctcag gttcaagcaa
45721 ttctcctgcc tcagcctccc aagcagctgg gactacaggt gtgcgccatc atgccagct
45781 aatttttgta tcttttagtag acatggggtt tcacctgtt ggccaggatg gtcctgatct
45841 cttgacctcg tgatccactt tctcagcct cccaaagtac tgggattaca aacgtgaacc
45901 accatgcccg gcctgtggca ttgtttttta actaaagcat gtattatagt tttcctgaaa
45961 agtaaagatt tccagaaaag gaattgggaa actcttttac cctcatagtt ataaaatatg
46021 gaggtttcct tctccaggt tggtagctt cctcttgat atggtttggc tttgtgtccc
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46141 taggagaate atgggggtgc tttcccctgt actgttctca tggtagtgaa taagtttcac
46201 aagatctgat agttttatca gggatttccg cttttgtgtc gtcattctct ctttgctgc
46261 tgccatccat gtaagaggag acttgctcct ttttgcttc tgccatgatt gtgaggcttc
46321 ccagccatg tggaaactgta agtccaatta aacctcttg ttttgtaaat tgccatcag
46381 cagcgtgaaa atggactaat acacctctgc tctagttctt tttggaacta ggccctcttc
46441 ctttggttgt cttgccactc actgtcagat tggacacttc tccacactgg acctcaacat
46501 cacctgctg gcagtccac aggagttaaa atgtctgaag agggaatggc caaaaaggga
46561 gtctcactgc cattgcaaga gctggtttag aataaagggg gcagggtgga tgatgaagga
46621 ttacttaatg ggtacaatgt atgttatttg agtgatggat actctaaaag cctgacttc
46681 ccaaatatgc aatctatgca tgtaacaaaa ttacacttat acccatata tttatacaaa
46741 taaaaaggaa ttttaaaaaa gaataaagg gtagctgtt cattcattta ataaacatgt
46801 attgagcaac aactatgtgc caggcactct tctagatgcc tgagggtgat aaatgaacaa
46861 agtggacaaa aattccttcc cttgtggagc ttacactcaa gaatatgaga ccaaggagat
46921 acagtctcag aaggagcaga gacaaggaag agtcaatgat gccagtgaa caatgggata

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# FIGURE 3 (continued)

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46981 aagcttagga gtgttcatcc tcattcataa ttccatagcc cataaacgtg cagaccaga
47041 cttgaccata atgtgactag atactaacag ggagtaatta agtttatttt ttcatatga
47101 atttcacaga catatacaat agcatgggta aaagaactaa attaatTTTA tggtagtaat
47161 tttttccaac tctgatattt tgtgtcagct cctacttgtc ccagccatgc ctatctgtgg
47221 tctgcgggcc ttcaaagggc agcctttgtg ttgcccaaag ccagcacagt ggtgctttgt
47281 gcaggggcat ccctgtgcct cctggaattc gtctgcccc tgaagctagg tggctgggtg
47341 tctggtggcc tcctctaaga agcaggtgtc cccactaccg tccaccatgt gtgtcctgtc
47401 tgcagaacgt ggctactact cagatcctgt ttctcactca agttctacct caaggctcgc
47461 actctgtcaa gtgatgtact tcttggggtc catctgcctc ggggggtggaa attgtgaata
47521 gaaetgtagc ccagagaatc attgagagac taggtataag ccagtggcag aacctcaacc
47581 aaaatgcccgg gcttgtgacc cctagccctg ggctcgtgca cataacacac agtgctctga
47641 aatatcattg tttggggcat tattgtcact tttcttctac tgatgtggat ggcattgttg
47701 attttatgaa tatcaattat tcagattctt ctcaaatagt aattagttgg ttttgagagt
47761 aattaaggca atagatgtct ctacaagaaa agagaatgaa agaccctgat ttgtgtattt
47821 ggggtaaagt cttacaacaa actgggcccc ggtctggaat aaatgtggac aacttctagc
47881 acagcataaa agcattaaaa agtttattaa cacatcatgt cgggtgcaat gaaaatcaaa
47941 ttggtataat tttcaaagaa gaaactaatg atactttaag gctgtgttta tagtaatact
48001 atctttctga aagatacttt gtttatgtac tatattaaca tagaaaaata gtaagcagtt
48061 tccagctaca atcagtgggt taaattaaga tgtaaatgtg ggtctaccag tgagaaacta
48121 aggcaaatgt ctccatctaa gacagagttg ccagataaaa tataagatga tgcccactta
48181 aatttgaatt tcatatgaat aacaggtaat tttttcttat aagtaaaaat ttcaagctta
48241 accgggcttc ccacattatt gttttttttt aattttgttt tgagatggag tctcactctg
48301 tgcgccaggc tggagtgcag tgacacgac tcgactcact ggcttcccac atttttattt
48361 gtttaagtatg gcaactataa tctaaaggac aaaatttgct tccaaacact gcccctgaat
48421 aagatccaaa gtacatatga tagccaatta atttggaata tacctcaata caatttcaaa
48481 tctcacagag gcaggggttc tcaacattgg cactattgat tttggggcag ttaattcttt
48541 gttgtgaggg gctctcgtac attgttcaat gcttaacagc accctcgcct tctaccacca
48601 gatgccagta gcataccctg gttgtgacaa ccaaaaatgt ctagacattg tcagatgtct
48661 ggtggggagg gggtcacaaa atcatccctg ggtgaggacc cctgttctga gggagaagc
48721 ttatttataa gtacagtata tgtattaata tcttagtaga aaactaactt gtcctgatct
48781 tgaagaaaga agaggaaagc catattttat gtagecttta ttttaaata tcatgggaga
48841 agcaccaatg gaaatggctg aggaactaga gagctggtag acgtgggatt attttgcagt
48901 ctgaggctct atgacagaag cttctgtttg ctcacagcgc tttgagagaa aaaggcagta
48961 gaaagtactc atgacacggc tcagggtccc aatatagact tcatccaagg cttgaaaga
49021 acagttagta cagagtctgc tgatttctgg aaaaggagtg ttttatttgg atagcaataa
49081 ctgaaattcc aacctagacc acctagctga ataattatat gtgtgtgtcc aaaaaacaaa
49141 ttgccaagag atgcattgag aatcagaata ggaaaactgt ttactgtttg atttttcaga
49201 aaataattca acagggaatt ttgctaaagt gttgttcctt ctattttacc caagaaaaca
49261 tatgaattta ttttgcgtgc taaaccaaga aactaatgtg gttatacata ttatggggaa
49321 gtttttaagg aattaacgtt tagagtcttt gtggctctaa ttactgctct tcggttgtgt
49381 agtgagagtc actaagcatt ccttccctca aggaatttcc agcataatcc tgttttccac
49441 tcaaattctt tgtgattgcc agattggagt gaaaaatcaa atctacttcc aatgaagaaa
49501 aactcaaaaa aaaaacagtg attcaaacaa gtttccaaag agaatacatg aacttcttat
49561 tctgccttta ttaattgaca tctacaattt tgtatttttc tcaggataat gcaaaaaaaaa
49621 ttcttttgaa tcattctcac taaatttagg ggccaagtgt cctagctata ttgtttttta
49681 aaaaaagtta tgttaaagca gccagacttg gtggctcaag cctgtaatcc cagcactttg
49741 ggaggaggaa gcaagaggat tgcttgaagc caggagtcca agaccagccc aggcaacata
49801 gtgagaccct gtttctaccc acacctacc ccctaaaaaa aattagctgg atgtgcctgt
49861 agtcccagct actcaagagg ctgaagcagg aggattgctt gagcccagaa gttgaaggct
49921 gcaatgaacc atgattggac cactgcactg acaaagcaac tcagttctga tctacagttc
49981 attcttggat aaacataata cacaacacct agaaatacag caaaaaccca ttacccttaa
50041 gacaaagtcc agaatcctta ctgcagtcta caaggctcta aattatctga ttggagcaga

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# FIGURE 3 (continued)

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50101 ctacactttc cccaactcca agttatatgc taagctgctc taagttagag atcaaaaaaa
50161 tagagtggct caaatgagat caaagttgat aattctctca cctaccaggg tagaagtatg
50221 cagtgggtcag tgggttcagag tttgtggaaa gtttgatcca tgaagccatc taaataagggt
50281 actttgaccc aagtactttc tatcttggtg ctccccaccc tttaagacat tctcctcatc
50341 cacatggtca aagctcactc accactaccc tcaactctgtc ccaatctgta gaaaggtagg
50401 cagagaggcc agcaaatagc tttcttttaa atttgtgttg ctgggtgggt cccccaggaa
50461 acagactctg agatggagat tagtgtagag gaagttcact atgggtggtc ccatgaatta
50521 tcacccactg gaggaaagga aggaagcaga actgggaaga tggaaaagtt aagctgcagt
50581 acagtcacaa caaggtctca tccaaattga tacggggcgt tgaagctgag ctggtccttc
50641 agagctggga tgagaccaga tattggctgc aagccattcc aggaaaggga tgtgaccttg
50701 aatgagatga cttttcttag ctgaggcaat tctcaaaggg agctgtcagc cagtagcctt
50761 gcagttggac agatggcagc acagcagagc atctgggaca ggatgtgacc tggaaatagc
50821 attgatatgg tttggctgtg tccccacccc aatctcatct tgaattccca tgtgttgtgg
50881 gagaaatcca gtgggaggtg attgaatcat gggggaaggt ctttcccatg ctattcttgt
50941 gatagtgaat aagttctatg agactctgaca gttttaaaag ggggaatttc cctgcacact
51001 ttctctcttt gcctgctgcc atccatgtaa gacgtgactt gcttctcctt gcctctctgc
51061 aagatttgtga ggcttccccg gccacgtgga actgcaagtc cattaaacgt ctttcttttg
51121 taaattaccc agtcccatgt atgtctttat cagcagcatg agaacagact aatacaaggg
51181 taaaccactt ccattcaccc ctcatctatc agaattgtct gaacagccac catagttgcc
51241 acggaggctg ggaaatacag tctctagcta ggaggcccta tgcttagcta gcaactaaa
51301 gaagaaggga gaagggatac tggggagcaa tcacaagagg gaaggaaaat cattctttga
51361 tttgttcagc ttattgactg ttgtagatca aaaaccactt cattgaggaa agcaaccac
51421 caaacacaga agcagaaaga gagctaaaaa tgggataaga acaactgaga aactgcttat
51481 ccagtaatat attttaataa gtgaggacta caccaaactt aggtaggctt cagaatgagc
51541 caggggacaac tccccagaac tctgcaggaa ggggctcctg aggcacacag tccaacctgc
51601 acctgaaacc ccaagtcaca aggacaactg atatttagat gcttttcttc ctaagacctg
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51721 ttcttaaaaa aaaagaaaaa aaagaaagaa agaaacccaa acagtaattg tattgaccca
51781 agaaagcact attaaaatgt atcactttct gttagtgttg cttggatttt caacataata
51841 atgttctgtt taaaagaagg agaccaaagt atgcttatta cctgaatgac agaataattc
51901 gtgcaccaaa cccccatgac atgcaatttc ctttatata acaaacctcc atgtgtaccc
51961 ctgaacctaa aataaaaaatt aataaataaa taaaatttaa aagtaaaaaa aaaaataaag
52021 gaaggagacc aagaaatact taagggccca ctcccccttc ttctgaacaa aatagccaga
52081 ccagcctctg ccactgattg aaccagggat tggaaactaa cataaagcag ccaccacctc
52141 taggatgagc ataagattat cagtagcctg tgaggaaact tggtaataaa actctgactg
52201 gtagtgacac tgtatgaggt agtgtgggca tctaaccaac caatgtgggt gtctcttgt
52261 ggacaggaga gggatatgtg tgtgtacaac aggaaaaaca cattaaaact ctagaacccc
52321 aaacagaggg agtaggaggg gccataaaat gtctgacttc tcaaatggct gatgagctcc
52381 tagagggtgt cttgggtctc tccccagagg caaatttcaa cttagaggtg aagctaagaa
52441 gcttatcaag actcagggtt tctcactttt cccctcacag gccactcca aggcctctgat
52501 ttcttgggct ctctttgcoo tggttctctg gccatcagtg tccatcactt gagacaatct
52561 gagtgtcccc acaccaaaca cctgaaatac acctaaataa aaagcctcat cccatctgca
52621 aagtatgctg gaactaagat ccagattcac aactcaggaa atttactct acttaagtag
52681 tggcattcta tcttcagatt aaagtgtgtt tgaaaatctc taccctact gactggggct
52741 gtcacacgag gtccccactg gcccgctctt gggactctcc tgcacagcac ttgactctgc
52801 tagacatcct ctctctctc cctgtgccc tcatcccat catctcccag aaactcagtg
52861 ctggaacaca tgagacttct cagctgcata tcggcaaggc caagggatcc tcaaaacaag
52921 gcaagtttct gccctctccc gccatcaaaa gtgtgtaatt tctttgtttt gtttttgtt
52981 ttttgttttg ttttgttttg ttttttgaca cagagtctcg ctctgtcacc caggctggag
53041 tgcaatggcg caatcttggc tcaactgcaac ctctgcctcc tgttttcaag tgattctcct
53101 gcctcagcct cccaagtagc tgggattaca ggtgcccacc actacgctg cctaattttt
53161 ctatttttag tagaaacagg tttcaccatg ttggtcaggc tgggtctgaa cttccgacct

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FIGURE 3 (continued)

532121	caggtgatct	gctacacctca	gcttcccaaa	gtgtctgggat	tacaggcatg	agccaccatg
53281	cctggccaaa	tgtgtgtaat	ttcttaaacc	caaaggggtc	tagccaggat	cctgcattgt
53341	catattttta	gaataaagt	atatctccat	gaagggcccc	actttgagtc	ctattttatgt
53401	ttgctcttgg	gatttagctg	tagctgggca	tgtgtgatag	tggttaggtg	acagcctgcc
53461	cagggtatat	ttgcaccctg	gccatgtagc	atggggttga	gaaagcaggc	tccagtatcc
53521	cacaggtctg	ggtttaaacc	ccagctctac	catttattag	gtttgtggcc	ctggaagagt
53581	ctgtatcccc	tctaagactt	catctcctcg	tttgtaaaat	agagatataa	taatactttc
53641	acaaggctat	tgtgagaatt	aaatgatgta	taattcgttc	ttggcatagg	gcctaaaacg
53701	tagtaagcac	tgataaatga	cagttcta	agtagatacc	ccataactaa	gcgtctttga
53761	aggaagttta	ccataaggta	agaagaaa	caacttgatc	cagtaacaaa	accccagaag
53821	gagagattcc	agacatagct	tggagcccag	ctcttggtta	tgtctccttg	cccagcttgc
53881	ctgttattca	tactgagtc	ccatgtagag	gtgggattgt	aagtaaattg	tgaaaagaat
53941	ggtttcagta	aaaactcctt	aaggctttgg	gatacagcac	agtgttgtct	tgataccacc
54001	accaccactt	cctacaatac	atatgtccca	cctaaccagg	aaagagataa	cgctccaaac
54061	tttgctttta	atgctgccca	gctttggaat	ctcacagtgt	ccaaagcatc	agaggatact
54121	caatggatgt	aacgggtggc	tccaacagat	atgacctagg	tcttcagggt	atgtgccaat
54181	ggtatgtagt	agacacagct	ctggttccca	acagaggtac	tgatagttcc	agcagtcatg
54241	acagtggctc	ctcgcagatg	tggtgggagc	cttggaaaca	gcagaataat	gttctgtgga
54301	tacagcagga	cccttggaag	catcaacatt	ctcagactga	ttgagatgtt	agggagttca
54361	gatattctct	aggctcagca	aaagtgggtac	tgcagcccaa	ggatgtgggt	ttagccagta
54421	gttgggggaa	gagagggaga	aagtgtctga	taccatggag	tagctgcagg	tattttattta
54481	tgaccatgtg	tgggttatag	cccaagggtac	agacatttgg	ggtatgagga	atgtgaagaa
54541	gagactttga	attggacaag	agtgaggaaa	atagccaagg	aactatggag	tatacttcta
54601	ttacctgggg	tcaccataag	cataaaacta	agagcttcat	ttacagccct	gtattttcaat
54661	gagaaagtgg	aaagagcacc	ggaccagcag	tctggagaac	caggtgttaa	tccaagtctg
54721	tcaacttaatt	tcttcaaacc	ttattgtgta	tagaaaggag	gaaaaagagt	agcactcaat
54781	aactgacgtc	ttttctttga	taattttatt	tcatactac	cagattcaga	taaagccaaa
54841	gtcttgctaa	cactccttgc	cagttgaaat	gtggtgactc	tcaaaaactt	ggaaatgtca
54901	ccattctggg	aagaaatctt	ttaatggaaa	ctttacatct	tctaaaataa	ttaacattca
54961	gtactcaacc	ttagaacatt	ttccaaat	agatgagaag	agatgaagca	aggaaaaaag
55021	gtgtaaccct	atcatacttt	tccttttggc	gttgaaataa	atatccagtt	aggggatggg
55081	gaaagtthtt	gtttctttag	tactgagttg	gtggcagcaa	gagctaagta	ggggctgagc
55141	atctcaggta	tgggcttccc	ttagatgac	cagctatcag	gttctgccaa	ggtgagtatg
55201	cccttgtggg	ctgtgcaagg	cctagtcatg	gtgggagacc	ctctataaag	gcctacaagt
55261	acttagggag	gtaagaggac	acccctcaa	gggctgaagc	ctgtctcacc	tttgagggca
55321	gtgagatcac	cagtatccct	gtgagctgta	taacaggaag	gataagtcca	tgttctgggtg
55381	ccgateccct	tgccttttgg	aacatttctc	cctctgataa	gaaacctcct	tataatactt
55441	tgtttcactg	gaacaacatc	atcctcatca	ttagtaaaat	gattgtcggg	tgtcaacatt
55501	cacggagaag	gtccctgggg	aaggtcagct	gttgcaaggga	agactggcat	gctggctccc
55561	aaggcaagt	ttcctttcca	tgatgaaggc	accagggacc	agggtcaggc	cttcagttct
55621	agagatgcag	aaactcttgt	cagtgcctga	aagaagctga	agaataataa	gcagactgcc
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55741	agtacattct	tagacaaact	gcacggaagc	caatttaaca	gaaagttgct	tggcaagcaa
55801	caagggtgat	gtttaatggg	gtcagcctat	aattacatga	tgcatecatt	tccaccatgt
55861	gtttctgtct	gcctcttggg	ccagaagggc	tgtctttggg	gccaggaaga	cccttccttg
55921	gacagtatct	acgcattctac	tgccagactt	tgctcactg	actcttcttg	tgtcacacat
55981	tcccaaacct	caatgactca	ccaattccct	ttctgattga	catggtcttg	ccttaaacgt
56041	gttatgtctc	ttaatcaaga	cagattaaag	tgaagtttct	ttttcttggg	agatgtgact
56101	gctagctgtt	ttgaccgatt	atatgtgtct	agctgtgcaa	gggctatgtc	ccttcgatgc
56161	ctaattcttg	gggtcacccc	attgttgctt	tcctcccata	taaaccttac	actgtagtgt
56221	tgaatgtca	tcatgtttta	ttttatttca	ttttattttt	ctgtgttctt	tttctgtgtt
56281	ccactgattt	ttttgagttg	gattgggtctg	cgaaatggta	ttatttttag	cacaaaatg

# FIGURE 3 (continued)

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56341 atccagtgag acaaaatcctt gtaacaaatt caactgtttc actgtatgaa agcagggcag
56401 gttctttact gatgacaatt tctgtttgag aaaccaaact gagttcttca taaatgatga
56461 acaaataata tacacatatt attgtattta ggattatagt attgctagcc ctaaaaaatg
56521 atcaatgaag tattggcaat gtgaggtgat aattttttgt ttctcctttt cataatagat
56581 tttgcctgtc ctgttagtga tttgcactgc cgcagctac ccaaaacctc aagcatagac
56641 aaactgctta aaattccaac gtttgatgaa ctgattcaaa acggatagat taaccatac
56701 cacactccct gtgctgacac taatgaaaaa acaaaacagc aaaagagttt ccacttccca
56761 gatgtcaatc ttctatttgc tttaatcatt ttatatttat ttattgatcc attcaattat
56821 gttggtttat tcctacttaa gttgttccaa agcattttaag acagatgata agaacacaag
56881 ataaaaatca ggatcaagaa aaataaaaaa aaatgttaga tgacaaagat gggaggagga
56941 attagaatta caaagatgtg tagaatgcta gttcctacat aattattaaa atggaggcca
57001 atgttcaagc tgggcttcct ggtggcaaaa gcatacatga aattataata ggtacaaaat
57061 aataccgtaa agaaaacctc cccaaataaa gaaagctttt tcttggcact cgaactcgaa
57121 agaaattttt tatntagata agaaaatctc agtgatatgg ataacacaat accacaatac
57181 aatctaacaa catgcaaccc aacaaaatgt gtgttttttt aaggaatttt gttctttgct
57241 caatttcttc catctactaa tttttaaata atgcactctc tgtctgttca tttgaggtta
57301 acccaaatat tttaatattt aataaaaatct aagtttaaat ctttttacct gcttctgaaa
57361 aatacaaggg gattataaga ctaatacaat tgcttccat gccactttat ttgttgtttt
57421 agttgagtg gttagttcta ttttgctttt taattctaca aattaaacac tattattatt
57481 gtcataacca ttgttttata tggccagtgt tgaagtgtat ttatttataa atgtctttgc
57541 tcaccatttc ttcttgaatt tcagactttc aatttggatt cattttctgt gagcctcaag
57601 tatatccttc gaaattttct tttgtgagga tctatactca gttttgtttg tcttaaatgt
57661 cttttatttt actcttattc ttaaacgac tttttactaa tcgtgggatt tgggattgat
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57841 agatagatcc tctctttgac cttgttgttc tgaacttcca ctctaagtgt ccaaggaatt
57901 attttatttg tatttatctg cttgtgattt ggcttatcat ctttcagcaa ttctgaaaaa
57961 ctctcagcca tttttccttg gaatattgtc tcttttccat tctttctact gtgtttttcc
58021 agagctccaa ttaggtgtat ggacttttcc aaaaactctt tctttttctc ttattatatt
58081 ttgaaatctc atttctctgt actatatttt atatgatttc tttagattta tcttatactt
58141 cactagttat ctctttgtgt ccagtctgct gtttaattca tacattgatt ttaatttaaa
58201 ttatatttcc attttacaga gttccagtc aaatatactt tttttttttt tttttttttt
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58321 gcaacctctg cctcctgggt tcaattgatt ctctgcctc agcctcccta gtagctgaga
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58981 acaagaagca acatcaacta tgaagtatca ttgataaaaa tatttaactt gaatctaate
59041 atgagaaata attgaccaa tcaagactat aggacagaat ctaggacatt ctatagagcc
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59161 agaaatcaaa agaaactaca gagatgaaca gcccaatgca aggcattgcc ttcatgtatt
59221 tctggatttt tttaaagtc ataaagatat tgggagtcac ttaagaaaat taaagtcaa
59281 actgtatatt aaatggcatt atgggaattat cttactttt cttagggtgag ataaggatat
59341 tgtaattata caagagatgt cttcatctc ggagatggct gctgaagtat tgaagggtaa
59401 agtgctctgt gcttataact ggctttcaaa cagacaaaca aaaaaagctg gtccaaaatg

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# FIGURE 3 (continued)

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59461 gcagtggcaa tggatgtgga taccccaaga agtaccaaca gcagtgcctt gaagtaaaaa
59521 agtgaaatgc agtagctagc cctctgggct tgggatgttg tggttaataa ctgtgccatc
59581 tgcaggaatc acagcatgga tctgcattga atgtcaagct aaccaagagt ctgccacttc
59641 agaagtgtgt accgttgcac ggggagcctg taaccgtgct tttcacttca ctgtctctct
59701 cactggctca aaacacaaca gctgtgcctg ttggacaaca gacaatagga attcccaag
59761 tatggacacc agaaaaagaa ttcttccatc aagcttaact gttttgtgat tcatttaatg
59821 acttgcctt ctgtcactta attataaatt agatagaact gtgtcttttc tgccttctct
59881 ttgccatttg ctgttctcgc agccacattg tattctgtgt caaataaagt ccagttggat
59941 tctagagcga atgctgtctc ctgtgtatgt gaacaaaagt gaacgtaat gaagggctcc
60001 ctcttccaag gctgaaaagc caccttttaa aagtgaatg tgccgggccc agtggctcac
60061 gctgtaatc ccagcacttt gggagccgag acaggtggat cacgaggtca ggagatcgag
60121 accatcctgg ctaagacggt gaaaccccgt ctctgctaaa aatacaaaaa aaattagcca
60181 ggctgtgtgg caggagcctg taatcccaac tactcgggag gctgaggcag gagaatggca
60241 tgaaccggg aggcgaaggt tgcagtgagc caagatcgca tcaactgcact ccagcctggg
60301 tgacagagcg agactccatc tcaaaaaaca aaaaaacaac aaacaaacaa aaaaagaaag
60361 tgaaatgtgt gtccattaga gccagaacag gattgtcctg tgagtgcac gcttagtcag
60421 aggactccaa ctgtacaagg gggaatgttg atcgtgacc ctgaaaacag cagtcagccc
60481 tgtcttccct tgggtgtgata gcacagcga gctgaatgag gaaagaacgt gggattcaga
60541 gtcacacac ccagctctga gtctcgggtg cataggctgg ctactgatgg caatctcggg
60601 cacgttgcct gtctaccctg agcttttctc ctctataatg caggcttcta aggactacat
60661 ggcattacat ggggcacaga aagaggcttt ataaaatgca aaaccactat agaaatgtaa
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60781 aattgtaata tgtaatcttg gctggcaaat gtatgaactc aattttaaaa ctgatgtcac
60841 ctaaaattga attaacacaa gagttcaagt ttcttttact accactacct catcacaact
60901 tgttaaaatg ttttgggcca cagaaggaat tgccaattct agtactaatt tggtagctat
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61021 ttcctggggg tacctgagac catttcaggg ggttcacgaa gttctccctc caactgcaag
61081 tccatgtgaa actagttttt ctccatatac ttttaaccaa gcagtgcac aaatgaagaa
61141 gcagacttga gaatccaact gtcttccatt gtcagacata aaagagattt gcaaaaagg
61201 aaaacaatgc tagtcttate actaaatttt ttcattttga aaaatagttg attttaataa
61261 aagtatgtta ataagtga aaacattatc tatacacaga cacatacaca catatgtata
61321 ggcataatgag ataaagttag gactctaaga gcactgttca tagtactttg cttcttagag
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61561 ggtctgtgtt gccctgactg gtcttgaacg cctggcctca aagaatactc ttccttcggc
61621 ctctaaagt acaaggatta caggcaggag cagctgcact tggcctcatt gtacttttca
61681 ttcaactttt ttgtaggctc aaaattttca caaattttta aattttgtgg gaaagtgtaa
61741 aaacaaacca gaaaatcaca tgaattcccc tagagggtgt ctctctact ccacagccaa
61801 aatcgggaga ggcaaatttc ttgttctctc cttttgggag gagggtttat gtctaagcta
61861 cctacactg aggggtgagac tctgtatgtc tcagttttct atgaaagggt tctactggg
61921 cttttcacc taggatgtct ttttcttaat ctcttcaacc cattatgctg atacaacaga
61981 agtttaagg cccaggtttt atcaggcact ttcagggtta aatctagctt tggcactcgc
62041 tttccctctc aggactcagg ctttcatttt atatttggtc tctatacgtt tcttgctttc
62101 ttgccagctc aataattcat ttaattttta aattttctac ccaagttttt agttattttc
62161 actgggagga tcatcaggg tatgtcatca cattacacta ctagaaacaa tgcaacagca
62221 ttttaaatgg aagttaaatt gcaatcactt ttcttccaat tcttgagag attcaaacag
62281 tggttacagc cacaagcaag agattcaaat agtgggtaca accacaagca agttttgaaa
62341 aaaaaattct ttaccataat actgtaaaaa agcttgtggc cctaaggcat aaatccagca
62401 tgttcacett tcaattacac agttgaaaa atagttgtct caacacaaaa aggtgctcta
62461 tcaaaccaat ctttctccct aatttgtgca gctcatttat tcaaattatt gtgaattcag
62521 aattctacat tctgtacaaa aaaaagtatg aagatagccc agatcatgag aaaacacctt

```

[illegible]

4

# FIGURE 3 (continued)

```

65701 tatttttctt tcccattagt caatttttaa atgtggtagc caaaataatc aacatcacta
65761 gtaattatac ccatactcaa aaactcttct ggtgaagagg catggcagaa ctccacaggg
65821 aaatcctatt gtgaggatta tataggctcg aaagtcattt ttaactgaca tgcattgataa
65881 agcacatgct acataccaat ggaatttaac gttcaaattg aataataaac tatgtttgca
65941 gtatacattt ctagatccat acatgaaatc acatttccat taaacagttt tcaagtcagt
66001 gaccaattcc ctctacttct tcttgaaatt tatatgaacc tggatcattt taataccact
66061 ggaaagaaac actatactta gaaggagatg aacaacagat ttaatatatt ttcgtttgcg
66121 gtactaggag gcaagctggt aactctaatt cctgtgtgct ctgactcct agatctgagt
66181 agtcaataag aaagtaggga agggactacc agcaagaaaa gaagcccact aatatttcct
66241 tctccttctt tctgtgtttt cttctgctta ataattgagt ctaattattaa tggacaagga
66301 ttgccagaaa aggcattgat tagaacagggt gtcagtaacc ttttctgtaa aggaccagag
66361 agtaaatact tgagcccttc gcaggccaca tgggctctgt tacaactact caactgtgcc
66421 attgtgccac aaaaatggac acagcattgc tgtattccaa taaaacttta attatgagcc
66481 ttgaaatttg aatttcacat gattttcaca tcacaaatat taaattccaa tcatntaaaa
66541 ctataaaaaa tattcttagc tcaatgatcc tataaaaaa agcagtgggc cagattcagc
66601 ctataggcta tagttgccag tccctgggtc aaaactttta atacattaag agtattcttc
66661 tcattaaaaa cagtgaattt gaagtcatct tctctcttct tgcccattta cttttcccta
66721 agactttaat ttttttcccc acactctcat tcccattctg atttaccagg acattacttc
66781 tctctcttac ctacatatt tgttttattg cactataaac ctactggag aataaaacta
66841 tttgccaaag acccacctgt aaacacccag cactgcagca gccactaaca aagagggaaga
66901 cacagaacct gtggccaatc atgtggacat tggcaataat ccattccctt ctcttcttct
66961 cttctctgta gaggccacct cttataatag tctgaagaaa acagattggt acttttccac
67021 cttctctgga aacaaagggg tatgtctgtg accaactcct ggacagtaag acctgaagag
67081 aagtctgttg ggggtcttct aggaaggtt tttctcactg gaaaaaagaa agctacaaga
67141 gcagaatccc caccctctcc ttgtttccta ctttttagat atatcatgta aagagacagt
67201 gtttagagct gcagcagcca ttttgcaacc atgagggaaa tccaggaatt ggtccacagg
67261 cataacatca ttaattcacc aaagcacctc cacagctctc tccccctgga ctctctgttg
67321 taggcaataa taaatcccca agatgggaat tttgttgcca tttattacac cgacagactt
67381 cattcttgca aagcttacat tgctagagga gtgatgtgac acataaaatg aaaaaccctg
67441 tacaaaaaaa cataaaatat caggcaggac acagcggctc acacctgtaa tcccagcagt
67501 ttggggaggcg gaggcagggt gactgtctga gccaggagt tcaagaccag cctaggcaat
67561 atggcaaaa cccatttctga caaaaaaaa tacaaaaatt ggccaggcat gtagtggaca
67621 catgtaatcc cagctacttg ggaggctgag atggatcact tgaggccagg aggttgaggc
67681 tgcagtgagc cgaggctctg ccactgcact ccagcctggg tgacagagt agacctctc
67741 tccaaaaaaa aaaaaaaaaa aaaaaggaag aaaaaaccta aaataccata actcctcct
67801 ccttggcagc tctattcgac ctaaatcaaa atacgttcat atctctccca cagagttact
67861 gctctatata tactttctgc tttacagaca aacttcttaa aagttaatct gtccttagca
67921 gggcacagta gtgcacacct gcaatcccag ctacacagga gactgaggca ggagtatctt
67981 ttgaaccag gagtttcaga ccagcctggg caacacagca agacatcccc accccacccc
68041 acctccgcca ctgtctctaa aaaccaccca acttatctac ccttaccatc tccacttctt
68101 attctgtcat cctcactcct caaatagcaa tactctgccc ttttttacc cacattactc
68161 catcaaaactg ctttcaacag agtcaccagt gacttcccag ttgataaacc caagcacagt
68221 ttttagctct tatctggcct gacctctcca cacaggtaa aatagtcgat actatacact
68281 atacctcccc cgcaccatac tttttttttt tgggttgttt gttttgagac agagtcttga
68341 tatgtcgccc aggatggaat gcagtgggtg gatctcggct cactgcaacc tccacctccc
68401 gatttcaagc gattctcctg cctcagcctc ccaagtagct gggattacag acgcccacca
68461 ccatgccag ctaatttttg tatttttaat agagatgggg tttcaccatg ttggccaggc
68521 tggctcctaaa ctctgacct caagtgatcc acccatctcg gcttcccaa gtgctgggat
68581 tacaggcgtg agctaccatg cccggccac aaaaccatac tttccagatt tctttttgca
68641 tctttaagta tttatttctg gcttctcctt ctactaggct cttaatacta gtgttcccca
68701 gtgttctctg acccccctcc ctgttttttc ttattttacc cactcttttt atatagtctc
68761 atctgtacct acagcttttag tgaactaatt agaagtaatt tgtaattagc agcactgatt

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# FIGURE 3 (continued)

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68821 ttcctgttga aagttaacta ctaaaatccc tcgatgtgac agttctttta gttaggacaa
68881 acatgcccc aggaaatgaa gtaatactat tcatttgctt gcaaaccatt ttttccccat
68941 agatgaactt cagcccaaat aaaatcaaac tatccaaat tcccagctac ttgggaggct
69001 gaggcaggat ccaaattcat gtaattttcg tgtattttgc aagtttgttt tatgccatat
69061 taattcatta cactccacat catattttct tagcaaatac atctagacac ctggcactca
69121 gtaagggata ttcctggcac gataatcatt gttatcatta gacattgcag gaaccaccat
69181 atggatggat aaatgtgttg tttaatgaag gcaagcaatt actttaagag atoctagttg
69241 ttataaactc tctctggact tcaagtttg tatatacata attattaaat gtatacataa
69301 ttattaattg taacatgtcc tcacaattga tttctggcta tttttctaag gattttacac
69361 tttatttagt aaaatatatt aaagagggtta atgataattt ttttatagag acccttagat
69421 tgaaaatgac tgatttttca cactctttt ctgtctttac taatcgtcag tgcctaattg
69481 ctaaagcaaa atattcttcta aattctgggg aggaaattct actttgggcc aggcgcggtg
69541 gctcacgcct gtaatcccag cactttggga ggccgaggcg ggctgatcgt gaggtcagga
69601 gattgagacc atcctggcta acatggtgaa acccgtctc tactaaaaa acaaaaaaaa
69661 aaaaaaaatt agccgggcat ggtggtgggc acctttagtc ccagctactc gggaggctga
69721 gataggagaa tggcgtgaac ccgggaggcg gaggttgacg taagccgaga tcgcgctgct
69781 gcactccagc ctgggcgaca gcgagactcc atctcaaaaa aaaataatag gaaattctac
69841 tttgaattgc aactaatca aaagactcca gcttcattta cagagacctt atctgtgcta
69901 agtagttttt ggaatagctt ttttctgtc acttaagcac ctctctttat tattaatagt
69961 aaactaaata ggagtcctaa gtctgcctt cccagtgtc gagtataaat gtcacacac
70021 ggtagaatgt aaacatctt ttttttatt atttttatt ttttgacag ggtctgtctc
70081 cgtggcccag gctggaatgc agtggcatga tcatggctt cactgcagtc tcaacctctt
70141 gggcccaagc aattctgtca cccagcctc ccaagttcct ggggccacag gtgggcacca
70201 ccatggctaa ctaatttttt aatttttttt tttgagacag agtctcacac tgttgccctg
70261 gctggagtgc agtgggtgaa tctcggtcca ctgcaacctc cacctcccgg gttcaagcga
70321 ttctctgccc tcagcctcct gagtagctag gattacaggt gccaccacc atgcctggct
70381 aattgtttgt atttttagta gagacgggtt ttcacatgt tggccaggct ggtctcgaac
70441 tctgacctt gtgatccacc ggctcggccc tcccaaagtg ctgagattat aggtgtgagc
70501 tactgcgccc ggctgattt tttaattttt atttttatag agatgaggtc tcatagttt
70561 gccagggttg gtctccagct cctgggtcaa gtgattctcc caccttggca tctaagtgc
70621 tgagattata ggcattgagc tccatgcctg gcccttttat ccatctttta atgttaataa
70681 ttatatccat ttctgtttcc ttcaaaaatt caagtggaaa acctgacata aataatggta
70741 acttttttat tatacctata tcaattaaca catatgtata aaacttctac ttagttgtgc
70801 caaatatcag tgcacagtat ggtgatttc cccacttgc gaagaatggg gctatagtca
70861 ccgcacagga gcaggataga tcccactct caaaattggg tttggatata aaaatcaata
70921 atgccatcac acatgcagca aaggggtttg aaaggtttat tgctcacata atactgtttt
70981 ttgggggaga gtaagatggg cttccaagct ggtctgaaaa ctagagagaa caagaaagga
71041 gaatggcttt gggattctta ttgtggttag gagtgggct gtggtgaggg ttctgtaca
71101 tgggctaggg cttactgttg gaactttgtg ctagtgccaa ggaaggagca cctaggcatt
71161 cttatcagtt tgctcagatg tggggcagag aggaagggaa gtggtggggc ttgagaactg
71221 tctgcagtea aacatcaaaa attaatgcat actctgtatt acaacaatta gaaaagaaat
71281 aaaatgtagt atatcagttc tctattgcta caatattgtt acataacaaa caacccccaa
71341 acctcaatgg tatacaaaaa taaatgtgtc ctgctcacac atctggagtc aactaaacag
71401 ctctgctgat cttgctgaa ctcattcatc tgtcagcttg atcttgctg gctttgccag
71461 ggttgggcta taccctgtc tatgtctctc atcctccagt aggccagcac aggtatgcta
71521 tcatggcaaa ggcaagggtg caggagtaaa ccagcccaat aacacaagca ctttttaagc
71581 ctctgcttgt ggcacttttg ccaaaatcct gttggccaag catgttacgt ggccaagcca
71641 tgagatgtgt acacagaaaa ataaaagatg tgtacacaga agagcaaaga attggggcca
71701 tttttgtaac ctactgcacc tattaatgga ttactaatat gtcacaactc ttatcctaga
71761 ttacagtatt aagagaagga aagtcaattc aatgatatat ttactactaa atgttaggta
71821 ctgtacttgg aattagagtt acaaaactaa atgagataat cctaaggagc tcacagttgg
71881 atactggaaa aaaaatcaaa caaattaata cattattaaa ataaatgaaa taaaatccaa

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# FIGURE 3 (continued)

```

71941 tgtaagtaca tgaatagata ttttaataag aagtggcatg gaaatgaaaa taaactcttt
72001 tgtctccttt atcatatatt tcatagctaa ttaaattaat ttattataa tcaaatttac
72061 tgtagacctg aggacataaa gtttactgag actccctagc gaatggctgc ataaaaatgc
72121 aagccctcta aaagcaaaac cagattgtaa attctgttag gctaacagaa agtcatttga
72181 ttcttttgtt tttccgttac acttagtagt caaccaaaat ttattgtgtg cctatatgtg
72241 tgtattagtc agagttctct agagggacag aactaacagg atagatagga aggggagttt
72301 attaaggagt attgacgcac gatcacaaga tgaagtccca caataggccg tctgcaagct
72361 gaggagcaag gaagccagac tgagtcccaa cacctcaagt agggaaagctg acagtgcac
72421 ctttagtctg tggctgaagg cccaacagcc cctggcaaat cactaatgta ggtccaagag
72481 tccaaaagct gaagaacttg gagtctaatt tttgcgggca ggaagcatcc agcacagaaa
72541 aagatcaagg ccagaagacg cagcaagtct gctcttccgt cttctcctgc ctgctttatt
72601 ctagccatgc tggcagctga ttagatggtg cctaccaga ttgaggggtg gtcgccttt
72661 cccagtcac tgactcaggt gttaatctcc tttggcagca cctcacaga cacacacagg
72721 agccatactt tacatccttc aatccagtc aagttgacact caacattaac catcatgatg
72781 tgcaagctat tttgctggga atttgcctag atcgaaaatt cctagttttt ttgttgtttg
72841 tttgttttgg ttttgaatct ttaatgagaa aaaatactat tgtgctcaag aacaccgtgc
72901 gtctgggtgtg tcattgggtc aagggttggg gacacacatg gcagaattca gaaacagggg
72961 aacatcaaca aaaatacaca cggtcataaa aagaaaaact ggcacctggc atgatcaact
73021 ctgtttcttc atcatcagc agcatggttg ggatcctgcg gctgatgggg aacacacgtc
73081 cagactctgg gcactgcagg gtgcccctca acacatctac ctccagcagc acgtggtgca
73141 ttgtcctcac catggagatt cctagcaaat actctaggta ttttaaatag aagaaattta
73201 atacagggaa atgattacat atatagtaga agaactgaga tgtcaaacag aagagtgagg
73261 caatccacat tttagcaact gcagtaagt acctccaatg tcatggctgg aggggtgcaa
73321 tgggtgagaag gcagaagcta gaatcatggt ggacccacc tgcagagtc acaaagaaga
73381 tgcattccatt caggtcacag agaagtaaat actctagtgt ctacctcta ccttcttatt
73441 gctctctagt ctcccatttt atctagactg ctgacaagca tgcagtggaa ggtgagcacc
73501 agatctgaga ggaaacaggc agtgtctggt ggcacactac acaagaactc tcacaggcat
73561 ccaactaggct tgcttgggtg ctcatttaag gagtaacct attttatgta tcagagttagt
73621 ctatgggtgtg atatagcata ttgctgcttt tgatgttttg tttcatttgt tccctgtagg
73681 cacctaata ctgtttttta aattccccag gagattctgg tatacccaat cagctgagaa
73741 ccaactgaata gtggctttca aaattttgag catccaaata ttgtcttcac agaaaatctt
73801 aatctctgaa gtctactgta aaaacataga aaggcaaggc tgttctgctt gaagcgtagc
73861 ttggggagcct agattcctct caaaccacagg ccaactcctg gaacatgggtc tggagatttg
73921 aatgttccca aatctagttt atctcattag tgcataattt tgcacatcct ctgtgtctct
73981 cagtgttctc tcatgtgtag acatatgcc cattccaaag agtgactgta gtgtaattgt
74041 gcattaaagg aacctggat agacctgtat tggaccttac atattagaga gctctgcaga
74101 tagctcacia atctccaagt cgctagctgt aaattgagtg ataattgggtg tcaggttatt
74161 ttagcacagt ttggggataa aatggtgcat taatctccca gtttgtggct tattaactt
74221 tgaaatggaa ttatttgaga cataaaagag atagcaatac tttgctggat gttctccatt
74281 agtcgagatt gttacagagg agaaattttt gccactgttt atcaaata ttttctcta
74341 gttaatccat atcattccg gagctttgcc caggaaaagg acgaattact tgcgttctc
74401 cgtctcttt caagttctac tcccgtaact ttaactgtc acacggaatc tttgggtgaca
74461 gaggaataga ggtgggcaag caggcgcttt ggaaaccata ctgaaaacga attatccata
74521 aagcacagat tcaccagcct agaaatggct ctgtctggat ggattccttg agatgtgttt
74581 tatctccatt aaaaacacaa caactttcaa actttcactg tgtctcaaaa tgatagagaa
74641 aaaaattcag cctttcaagt attcaagaaa agcttgaaga aataaaagaa actcgtgct
74701 ctctgggcca ctttaggagg cagagcgttc ctggagaact tcaggattca ttcgcaaggg
74761 aaccaaggt gggcattcaa agccgatcca aaggatattc ttctttttag aaaacaaaag
74821 gagcgcaagg agtaggggac tgaaggtgcc caaagctagt gggtcagtgt cactttcttc
74881 ctccctttcg cccctttcct cccgctcctt tctccctgt ggtctctgct cagcaccctt
74941 ttctctccag ccccgactgc ccatcttcgc cctaccctc gcgctcggtg gccgtgtcta
75001 caccacccc aggacctggt ccgtccaggc tccttcccat cctcacaccc gcgctttct

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# FIGURE 3 (continued)

75061 ccctgcggcc cgggtcgcct gctccagctg cccagctctt cccaggacag gggatcccgc  
 75121 caagggggcc gccccgcgcc cggccctccc cggccccggc gcaccataaa gcgccccggc  
 75181 gctgccgcgg agcccagcag ccagctcccc agcaccgcgc ggcggggacg cgagcgcgcc  
 75241 cccgacggca gcccggacgc cgagcacggg tcacctgcgg cgcgggcccg ggcggccgac  
 75301 gaggttcaac gcacggcccg gggaccccc aaggggggcca acgcccgcgt cgcccccggc  
 75361 ctgcggggga gcaggaagag ccaacatgct ggcgccgcgc ggagcgcgcg tcctcctgct  
 75421 gcacctggtc ctgcagcggg ggctagcggc aggcgcgccg gccaccccc agggtaagtg  
 75481 ggttcgggtc gggcctggga gcgcggggca cggggtgccc catctgctga gtgagtggag  
 75541 ggacttgctc ggcctgtgct tcctgtggcc ttgctcagcc cctctctgtc cctccccggc  
 75601 ccaatcaaag catattgtga ttggaggtag tgattagtct agaattttcc gaaattcgat  
 75661 tatccaatga tgagaacaat tgcctaaata gttgggggat gcaaaattgt ttcagactat  
 75721 gcaaagatgt ggggtggggg tgccttcaaa acttgctaca cggtcctaga cctcttaaca  
 75781 tgttaggctc tgggtgtagg tgaattccgg gtccctgcacc ctgtgcgggt tcctccagg  
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 75901 acatccctga gaaagacgca gaattactct acttgccctg ccacctgcat tttctgctct  
 75961 gactttgctt gaacgacaaa aagaaagttt atttcaagga ttggcttgat gtcttaattt  
 76021 ctgaggtaaa taggaagggc tgagaaactg gtctttttca atgaaatcag ttctttgcag  
 76081 caagatggat gcagctggag gccattttcc taagtggatt aaggcaggaa cagaaaagca  
 76141 aataccatgt tctcacaagc gggagctaag cagtggatag atatggacat aaagatggaa  
 76201 acagtagaca ctggggactc caaaagtagg ggggaagggt gggaaaacta ccaattgggt  
 76261 actacgttca ctgggtgatg tgttcactag aagctcaaat cccaccttat gcaatgcacc  
 76321 catgtaacaa acttgcacat gtacctctg aatctataat ttaaaaagaa aaaagaaaga  
 76381 aattgatctt tttctatgaa acggtaaaaa ttcaacaaat aatgtgaaaa gatacttggg  
 76441 caatcctcaa accccttggt gaaatggggg gaaatagcca ttgggtagaa agcagttaaa  
 76501 cagaattttt tgtaaagacc aaaaggaaga catgatttaa gcaaagaaag atcttagggc  
 76561 tataactggc cctaactggt caggcgtgag cttcatctgt ttgaacttgg tgcctgggtt  
 76621 gattttattac tgactgtgga agtaaaactg gaagagacgc acaacttgaa gtaaaagtgt  
 76681 tttttcctct tgtagccaga gcaaagactg cctatgaggg cgttctcaac ttccctgcct  
 76741 ctgcgtgctg gaatcaccca tttaaactgc atttcgccaa ataactcatt ttcattccag  
 76801 accagacaac cagaactgtg gtttcagggg tttagagtact gctaactttt agtttgtgtt  
 76861 gaagtatttg aaatgctgta gtccgtgccc catacttcta ggaaggtaaa aaaggaagct  
 76921 tttaaacact tcaaaagtct tattgtgatg atatttggca agttcaaat ttaggtata  
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 77041 gtatgtotca gacatacctg accattttat ggagatttga actcggccta tacaacctaa  
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 77161 ttttattgca ttatctagtc tgcaattatc aggccttaaca ggataatttg attatctcct  
 77221 tcttccctcg agcttcattg ttggtcttaa attagtatat attcaattta cataccatgg  
 77281 tagctgcgct cattggtagc agtaatttca cctctaacag tagagggttg tgctttgatc  
 77341 ctggcactta aacgtaataa cattaataga aaatggtagt gtctcatttc cttttcaaaa  
 77401 cactctctat gttcattact aactaatccc atctctgcgc cttgagagag atgcaaatga  
 77461 atcagacgaa ccatagattg aaataccgca agtttagctt gagttacatc atgaacctga  
 77521 tcatagtcaa aggaagaatc aagagtacta agaattttgt tttgaatgta gttcccatac  
 77581 tttaaataca tatctctttt ctgaagatgt tttgtcctga atggaacttt aaaacatat  
 77641 gccttatttc cctttgcctt cattagtggg aatgtaaagt ttccaattct cttgaaaatt  
 77701 aaaaaatcca atttcccttt tgaaatgcag taggcaacag tgtttatggt ttagggatat  
 77761 aggcactaag aggagcacag taaatgttct gctttccaac acatctcatg ttaatttcat  
 77821 tattgtgtaa ggacccctgg tacatgtgaa aaatacagta tagatccagt ttgaagacaa  
 77881 attgtctttt aaaaggggta aatattcttg agtaactagg tttttgcctg tttgctttag  
 77941 aacttttatt cattcttatt acaaaagcaa tacctgcca ttgtagaaaa gattaaagtt  
 78001 agataagcaa aaaataaaat aaaaagaaaa gaggaattt aaaacttata tttatgcaac  
 78061 ccggggatag cttctattaa cattaacatg ttgttgatt gtctttcatt tcaaatattt  
 78121 ttctatgcaa aaatatattt caaatggaat tacgttatac atatagtttt agaatccttt

# FIGURE 3 (continued)

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78181 tttcttaatg tatcatgaac atcttttcac atctgtaagt attcagctac attttaaaaa
78241 taggtagtat tctgcttttt ggaagaatca aaatgtattt agccagggtt gtaatataga
78301 acccttaagt tgttttcggt tttgatattg taaatattaa tttattgaac aagtgcagggt
78361 gtcacaggat gggttgggat gagtttaacc atccctcaa tctcagccaa gcccttctct
78421 ttttttttgc taaggacagt taatgttttc atagcaaaat gctatgccaa cagagctcag
78481 gtttacctct ctccaatta gattttcacc taattcttcc ctaaaatagaa attctagaat
78541 taccactagt gtctaataat ctgtaccta aatcatttac catgttatcc attatttccc
78601 taggataaat tcccataagc agaattgcta gatcaaggag cacatatgtt ttagggcctt
78661 tgatactgtt gtttaaactg tcttcaaaat gtttatacta gtttaaagt tacacagtgg
78721 tacagagagt gccatttcc ctgaaccctc acaaacagtt gagtactgtt gtatttacta
78781 attttccaat tcatgggtga aaacaatacg ttattgttta agttagcaac tccctgcatca
78841 ttaggtaaat acatgaacat ttatttatat acttaatggt cattgttaatt ctttttatgt
78901 aaattgcctt ttcataatcc ttgccatttt ttctattaag atgcttatca ttttattgat
78961 ttgtaagaac tctttatcaa ttgtcaatat taccatttta ataaccagat tattatatcc
79021 aagagacagc ttaggtgct gaagtttctg cagcctatgg aattgttcaa atgatatttg
79081 cgtctgctaa tagatatact aaataacttc cactgagtat taccctaaatt tggcctttgc
79141 cttttaaatg actctgggca tactctctca tagctttcat aaatattaca aagtttgtga
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79261 tttttagtag caattctatc agtcaagaga cagaaaccac atcattttgt tttgttttgt
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79381 acacttaggt ctcaaaaagg tggcaaatca ctttctacca gcacatctac caccatagcc
79441 atgttttctg ctgcatttcc tgtcatttgt cactgaccag gaaaacacaa ttggctctgg
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79561 caatggcttg gatgctttca ccagtcctcc ttgtacttta agcctttagt gcttttctg
79621 gtgggcattt tcagagctac ttgttcagcc aaaccaatt atgtgtttgc aaattcagtc
79681 ctctctcttg agggctacac ccagtgatga atattgtgct gtatttcttc tggctcaaat
79741 gtccagccac tataaaagtg acaggaaga actggtgagt ttggcaatac ggaaaaggga
79801 ttacaagatt agtttacatt actttgtage ttactgtcaa attgcacccc ccccaacaa
79861 agaaacctg ttttcccaa aattgaatct ttcacttata ccccttcttc tcccttcttc
79921 ccagtcttg accctctccc atcttccagt cagaggctaa acccaggcgc tctgtgcca
79981 gtccctgacag accccgcctt gaatgatctc tatgtgattt ccacettcaa gctgcagact
80041 aaaagttcag ccaccatctt cggcttttac tcttcaactg acaacagtaa atattttgaa
80101 tttactgtga tgggacgctt aaacaaaggt aagcaaatat gctgaaatta ttttcttaa
80161 aatctccttt ttctattcca ggattagggg tatactgtct ttgagatggt ttcctgttac
80221 aattatattc tcaactacta gtcatttcag tttttaatac tgaattcttc ttactgtaca
80281 tttacctata ttggcggggg ggtggggggc ggttcaggaa gaaagtgaca ttgggagaaa
80341 aaaagaattg ctgtgaccaa gatgcttttt gacattgtct catcctgatg ttattctgaa
80401 tccagttctg gaacagagag gacaagggac aattcagcca ttatcttagg cagctcaggc
80461 tgctataaca aaataaccata gactttgtgg cttaaacaaat agacatttac atctcacagt
80521 tctagacagt ggtaagtcta agatcatggt gccatctcag tccattttgt gttgtataa
80581 aagactaccg gagactgggt aatttataaa gaaaagagat ttatttagct cacagtcctg
80641 caggctggaa gttcaagggc atggccctgg cttctgacaa ggactttctt gtgtcacaac
80701 gtggtggaga aggtcaaaga gggagcagac acatgggaag aggggaaaac ctgaggggca
80761 ccgtagcttt ataataacct actctctcaa gaactaatcc attccttga gaactaatcc
80821 attttcaca gagctgaaac tcaactgtctc gagaacagca ccaagccatt catgagagat
80881 ccaatcccat aattcatatg cctcccacaa ggcctaccc cccaacaccg ccacattggg
80941 gaccaaaattt cagcacgagt ttgacaggg acagacatac catatccaaa ccataccacc
81001 cgcagatttg gctccttgta agggcccagt tccgtgattg tagatggcca tcttttatt
81061 gtgtcctcac atgatgaaga cagacagcaa gctctcttgt gtctcttctt ataaagtcac
81121 tattcccatc atgagggcca caccctcagg acctcatcta aacctaatca tctcccaaaa
81181 gccccacctc caaataccat cacactggag attaggagtt cagtatatga atttgatggg
81241 gcgggaggaa ggggacagat acaaacattc agcccatgac agccacccca tactattctt

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# FIGURE 3 (continued)

81301	atgttccctt	tgaagccagt	gctcagtaga	cctagctcct	aactccttaa	gcacctacct
81361	ggccgtgatg	gaaagaatat	acctcaacca	gtagaacagg	atgaataggg	ctctttttctc
81421	cctgtgctg	ccaattttaca	caggcctgtc	actggtttga	tccctctgct	gtcattttgtt
81481	ttgttgccgt	agtgaagttac	tataagcact	gagaagtga	tcccaaagaa	aatgggtcact
81541	atttttcatt	gccttctcct	ccactccttc	cccgggggac	aacacctgtt	cctgtttatt
81601	aaggaatgtg	acagatgcgt	gttcctgctg	cttcatgcat	ttaataaaat	aggagggctg
81661	gttctttctg	ctgggtttta	tgtttatttc	agtttgcttt	acaaagtga	cacttcttag
81721	tgcttcaaac	tctctcttag	attatatattg	tgattgtaca	cttaaactctg	caggcatttag
81781	gaaatgaaag	aagttttctaa	ttcttaactt	tcataggact	ctaaagttaa	aagtataaat
81841	gaatgggact	ttaacccctt	cttttctgtc	agattccaac	atgcttcttg	cctgcttcca
81901	cgctactccc	aagtctgctt	tctctgtatg	tgccctcatag	cctgtcaggg	gccttgaggga
81961	gggtgcagat	aataaagtga	gtctgaggac	atggccagca	gatgggtcaa	ccgttcctgt
82021	ccccctttcc	ccatcttcag	ccctaattgag	gggggattct	gcccattgtct	ctgccttgaa
82081	tcaaacagcc	ccattttgcc	tagcatctgc	tgaaggaact	gctcatcttc	tgacaaccca
82141	gctactcagt	ttgtgatcgt	aaaaatcacc	gttcttcate	tgtggatcag	cagcttctcc
82201	taacctgtct	atttcagagg	cattgcaaag	atttttcttt	cggttcatcc	agcttaatgc
82261	ccagaagttc	ctctgcagag	taaaaaactg	ctccaagctt	ttgccctcac	tgccctctcag
82321	cctctatttc	taaattggcc	agtatgtgtg	agcccattgt	ggaaaagtctg	ttgctgggaa
82381	acacaaggaa	gcaacttccc	ctgaacggat	cctttcagtt	tgtatagaca	agagtaaacac
82441	tggatttaat	gggcagtagg	tagagggtaa	ggggatcggt	agtatgtttc	ctctgaagaa
82501	tcaccagtaa	tatgagtcag	ctgtaaatac	cagttgatca	aatatttttag	gggctgtaat
82561	cccagcactt	tgggaggctg	aggcaggcag	atcacctgag	gtcaggagtt	cgagaacagc
82621	atggccaaca	tggagaaacc	ccatctctac	taaaaataca	aaaattagcc	aggcatggca
82681	gtatgtgcct	atagtcacag	ctactcggga	ggctgaggca	ggagaatcac	ttgaaccag
82741	gaggcagagg	ttgcagtgag	ctgagattgt	gccgctgcac	tccacacttc	agcctgggtg
82801	acagagcgag	actctgtctc	aaaagaaaaa	aaaaattaga	ggaaaagatg	aaagggttga
82861	gatgaagaac	tgaaagatga	acatctccct	accctccaac	ctattaggaa	agataaaattg
82921	ttcttagaaa	ctgtgggggg	agaaggagtc	ctggaagaat	ctagaaatga	gaattctcat
82981	aaggcaaaga	gggatttatg	ctgttattag	agcttgaaga	gttgaagaat	gacacagaga
83041	agttgtttca	ctggagcagt	cggaaaaaat	acgaagattt	gccagcactg	gtgaatataa
83101	aagtttcagg	aaagagaagt	ccattctgcac	tggaaacaata	aaaagaagtc	actgggtcca
83161	tcagatccaa	ggaaaagaca	gagcctgttg	ttgagactcc	ccactgcagt	gttcagtggg
83221	ggccatgctg	acttgacata	attctcccca	caaccctcca	caaattatct	acctggacat
83281	ggtaggctcc	agacagcatt	catctggcca	aggttcagct	gatctcctct	tttgctgatt
83341	tgctggtgaa	acggtgaaac	agaagaaatc	caagtggatc	tctactgact	taaaacacct
83401	gagtaggaaa	taaaacacac	ccttccctcc	attaaagtcc	aggactggga	gatgaaggag
83461	ggtgactaca	cagcatcaaa	gagcagaatt	tggtcatctg	ggcctcatat	gacctctga
83521	aacaaattaa	aatgtagcta	atgaagactg	caaagaaaga	gtttgccact	gagctctctg
83581	cttctactct	caccctctcc	aagtcagcct	accccaggcc	acctcattac	tgttcacaaa
83641	cataattttg	atcaagatac	atctgacctc	tgagacctct	agtggccccc	tttccaaatt
83701	gaataatgta	cccattgtct	agcaaggcat	tccgggcttc	cactctgcat	ggccccaagc
83761	agcctttcca	gtttatccct	cattccagcc	tccatgcagc	ctgagcttca	ccaagatagg
83821	ctattgccat	tccttggggc	cgcacatgct	gcctctcctc	catecttttg	ttcctgctgt
83881	ctgctccctc	gacacatatc	ctgcatcacc	tcttgacacc	caaatectac	acattcaaga
83941	cccattctcca	gtctcttctg	atattctttc	taatattgact	ttgtacctct	taaggaagac
84001	attcatctta	gtcacccttg	tacttgaatt	acttctaggt	cttctctcca	tttggttggg
84061	agctctcttg	agacagggac	tatacagccc	ttatctttgc	atctgctgca	gcacctagca
84121	aggtgccttg	tacatagaag	tagttcatgg	atagattgaa	aagaataaat	ggaggctgag
84181	aagagtagac	ttgtttgtga	aaaatgacat	acaccattgt	gaaattctgg	gattccacaa
84241	tatctgacac	atagtaggta	ataaaaaaaa	aattattttat	ttattttatga	gacagagtct
84301	tactctgtca	cccaggctgg	agtgcagtcg	ctagatatcg	gtcactgca	gcctctgcct
84361	cctaggttcg	actgactctc	ctgcctcagc	ctcccgagta	gctggaacta	catgtgcgca

# FIGURE 3 (continued)

84421	ccactacgcc	cagctaattt	ttctatTTTT	ttagtagaga	tggggTTTTg	ccatattggc
84481	caggctggtc	tcgaactcct	ggcctcaagt	gatecctctg	tctcggcctc	ctaaattgct
84541	gggcttacag	gtctgagcca	ccacactcag	ccaaaaaaag	atTTTTTTTT	ttaatgaata
84601	aattattgaag	ggctTTTTgga	ataggatgta	agaggataca	ggtagtattt	ctggtagaag
84661	tgatctgcc	ggttatgagt	aatacagcct	ttaaattcttg	atagaaataa	gcactcctgca
84721	gaaaccacct	ggctggatag	aagatatggc	tgatgctctt	ctagtatctg	gcgtaaagac
84781	aactttccag	tttgtatcct	gagtttgagt	cacaaactgc	atcaccatga	atacatctct
84841	gaatctctct	tagcccttgt	tgattgccta	taaaatgggg	ataataatag	ctacctcaca
84901	ggctggttgc	aagaactgaa	ttatataagg	tataataact	ttcttcagac	tatgaggcctt
84961	aataaaaattt	tcatactctt	aaacagtatt	agagacagat	ttccactatt	taggcaactg
85021	tttctaatg	atgatggttt	gggtgaactct	tggcttgcc	tgatgacaat	ttcactcttc
85081	agaaaaagaa	acacaagaac	tgcttcttta	gtcttagtat	gattgtctca	gaacaacttg
85141	gtgctgtgaa	gtgaaggaaa	cccaaagtgt	ttgctgtaat	gaccagagag	tgtcagtga
85201	actccttagc	ctaaggatag	gacatgtcaa	atagttcaga	gtagtggttc	tgtagcttgc
85261	aagctaaaga	gaaatataga	ttaagagaga	tggtagagct	taaaaataa	aattatagac
85321	acaataataa	gtggaaaaaa	tgaggggctc	caaacattaa	taataatatt	tatggagtct
85381	TTTTTTTTTT	TTTTtgagac	ggagttttgc	tcttgttgcc	caggttggag	tgcaatggcg
85441	cgatcttggc	tcactgcaac	ctccgcctcc	cgggttcaag	tgattctcct	gcctcagcct
85501	cccaattagc	tgggattata	ggcatgcgcc	accagacca	gctaattttt	gtatTTTTtag
85561	tagagacagg	gtttctccat	gttggtcagg	ctgatctcaa	actcgcgacc	tcagatgatc
85621	tgcttgcctc	ggcctcccaa	agtgtcggga	ttacagccgt	gagcaaccat	gcccggccct
85681	atggagtctt	tttaattgtac	caggactgtg	ttaaaagctc	aaagcctatt	tccccTTTTa
85741	actttcacaa	tattcctatg	acatgccctt	gaattagctt	aatttttaaag	tggtcagtgtg
85801	cagaagatgg	aaagaatttt	aaaatttgac	acaaaactat	aataattagg	acaaaaaagc
85861	taaaacctaa	ttgagtcaaa	gttggtgatt	cacacataag	ataataaaat	ggatgtTTTT
85921	agccatgttc	agaataagat	atggaagata	tgggaagaaat	aagcctacct	cctggaatag
85981	gtaatgggag	attaacaggt	gatagaggta	agtcatagat	ggctctTTTTg	tttctgtctt
86041	acccatcaag	gggagtgttc	ttcaaattgt	caagaacagt	taaaagaaaa	caaaaatcca
86101	agctagatga	ggagatagca	gaaaaacgcc	cactctcttt	agtgaagatta	actattcagg
86161	agcagatgaa	ttacacattg	ggatatttag	tgaagaaaag	catagtggag	ccactgttag
86221	ttcattttaga	aatcatggag	aacagaaaag	tcctaaaaga	caggacaggc	aatgttttcc
86281	atTTTTtataa	agaagggaag	ggtggtattt	gaaaaccaca	ggctactgaa	atTTtaggaca
86341	gagctccaga	gggttatatg	attattcatg	tattttggga	ttgcccagaa	aagaaattctg
86401	ggattTTTTtc	taagacaaaag	tggatttact	aagaataaat	catgccaaac	TTTTTTTTttt
86461	cagtaaagtt	tcaaagctga	tagattaaaa	aaacatgctg	tgagcataat	gtatctgact
86521	tcagaaaaga	attggatgaa	gtcgttattt	atacctttct	aaataatata	aaaaagaacg
86581	agctaggtaa	tagtaccgct	aggggttgct	aagtcactgt	atagcaaat	atctagtggg
86641	TTTTgacagg	gctctgtctt	gggtattgaa	ctgtccaaca	tgtcagtga	ttgagcaaaag
86701	acagcatttt	atcgtgtttg	caattcaaag	ctagaaaaca	gttgaacatg	ttggatacta
86761	tcattcatat	ttacaaagtc	ctaccagata	atacaatggg	ccaaaatcaa	tcagatgaaa
86821	TTTaacaaga	ataaatgtaa	agctatcaac	taggagtga	aagcaaattg	cagaagtcca
86881	ggatgtgaga	catctgtcct	aagagttctc	taatcaacaa	caaactccta	tcagtgttga
86941	ggatagtgcc	tgacacataa	tggatactca	aaaatatttg	ccgaatgaat	gaatgaacag
87001	atactgtgat	gcaactgttt	ataaaaagct	ccttacattt	taggtttcat	tagtgcatac
87061	atatggccag	gttaaagaag	ctaagagtc	cactgtactc	ttaattgtcc	aggccacatc
87121	taatactgtg	tctagtcttg	gacacatttc	acaaggacac	tgtcaagtca	aagattacct
87181	tgaaaagag	cacaaaaga	gcacctatct	ggaccccggt	TTTTgtttt	gtttggTTTT
87241	gtTTTTtgtt	TTTTgttttc	gttttttTgt	TTTTaccaca	TTTaagtaga	aaagttaaag
87301	gaactagaga	aatgaagaag	ccagacagaa	gacatgaaaa	atatgaaaat	tgccctacaa
87361	tatttgaaaa	aagggttagg	tgccgtggct	catgcctgta	atcccagcac	tttgggagtc
87421	tgaggcagga	gtatcacttg	agccacacac	ttcaagacca	gtctgggtaa	aaaattaaaga
87481	atTTTTTTTT	TTTTTTTTTg	agacagagtc	tcacctgtt	gcccaggctg	gagtgcfaatg

# FIGURE 3 (continued)

87541	gcgcgtcctc	agctcactgc	aacttccacc	tcccaggttc	aagcgattct	cctgcctcag
87601	cctcctgagt	agctgggggt	acaggcaggc	gccaccacac	ccgcctaatt	ttttttgttg
87661	ttgtcgttat	ccttagtaga	gatgggggtt	cacccatgtg	gccaggctgg	tctcaaaactc
87721	ctgaccacgt	gatccaccca	cctcggcctc	ccaaagtgt	gggattacag	gcatgagcca
87781	ccgcacccag	ccaaaaatac	atttttttaa	aaattagcct	ggctcgctgg	tacatgcctg
87841	tagttccagc	tactcaggag	gctgtggcag	gaggatcact	tgagcccagg	agtctgaggc
87901	agcagtgagc	cgtgatcatg	ccactgcact	ccagcctggg	caacagggca	agctcctgtt
87961	tcaaaaaaat	aaaaataatt	aaaaataatt	tttaaataat	atttgaaaaa	tgtcatttgg
88021	aatgaagatc	agactaaatc	tctgtctagc	tctgaagagt	aaaattagga	tccattggta
88081	gaagacagag	gaaacagata	ttggctctgt	attaggaaaa	tcttgagag	tgatccaaaa
88141	gtgaaatgga	cttctctgca	aagtaatgag	ttccttggtt	ctggaaatgt	gctggtagag
88201	gctgcacttt	tattgaagga	atttgtgaag	tgagatatta	agctggatga	cttataatgc
88261	taatatcttg	tcattgtacc	aaggctagag	aagtttcata	ggcacttaag	aaattgcttt
88321	gcacctcttt	cctgtaacat	gacctggggc	ttctgtgcac	actcactgct	ttgttgtcta
88381	ctagatagtt	gcatactatg	atgaatctca	tactttttca	aaacacaaag	tcctctgcag
88441	atgttttagca	taattgctgt	gtttcctttc	actagataga	tgtgtgtgtg	tgtgtgtgtg
88501	tgtgtgtgtg	tgttactctg	tatactttac	atttattcaa	attgccataa	gaaaactttg
88561	aaacagactg	catttatcac	agctaggagt	caccagagt	actttcagaa	aaagcaattt
88621	gctgattttac	cttttgtatg	tatttccaaa	gactaaaagt	tacaaagacc	tagtgtatag
88681	ggcatgaaga	tgaataagca	aaggcaaaac	agaatatcca	tcacaagaga	cattaatgtc
88741	aaggaggcaa	tttttaaatg	tacaattatt	taaaaagaag	aggaaagatt	gacaatgatg
88801	gcttccatca	tatgttttaa	agtgcctaaag	agcaaagcca	tttgccaaac	aaagcaaaga
88861	gctccagact	acctttgtga	gtttgctgcc	tgaggccag	gccactctgg	actcctttgc
88921	ccaagcagac	aaaatattat	catttccagt	tctttaaagc	tgccaccttg	cttcataact
88981	ttgacattca	acatatcata	atatttttga	ctaccaggtc	cacttttcaa	aaagcatctt
89041	ttgaaaatcc	tttctgaaga	tagcaatatt	tcaaactctc	attgcctggg	cttgcttttt
89101	catctcctgc	cagtcactga	aatcgtatct	aatcagactg	ggctatgtgg	ttcctgtgtc
89161	cggtctggcc	caagcatgga	aatgtagctc	ttggacagtg	ccataaaatc	aggcaatcct
89221	gagtagctgg	ggttacaggc	aggcgccacc	acgcccacct	aatTTTTTTT	gttattgttg
89281	ttatccttag	tagagatggg	gtttcaccat	gttgccagg	ctggtctcaa	actcctgacc
89341	aaattgtcaa	ttacacaaag	atgccaaagt	tagagggaaa	ggatttatat	aaccaacaaa
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89641	ttattgaagg	atttcatttg	cttgcttgct	ttgaggaggc	aataacgata	agaacagtcc
89701	tataagaagt	tcaatctctc	agtccaaaaa	gtccgtgcag	aaagagacct	aaagtaggaa
89761	ggggagtcag	gaatctaaca	gagcagccca	gaggtggagc	agagtcagag	acaccgtttg
89821	agatccgagc	accactgac	tgacagcctt	cagttccaat	ccaatctgca	ctgcattctg
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90061	ggaattgcaa	tggagaaagg	gtaattcacg	tagagctggc	tgtgtgggag	accagagttt
90121	tattattact	caaatcagtc	tccccaaagc	ttcagggatc	agagttttta	aagataattt
90181	tgcaggttag	ggcttgggaa	gtggggagtg	ctgattggtc	aggctggaaa	tgaaatcata
90241	gtgggtcaaa	gttaggtttt	cttaacgtct	tctgttctct	ggtgtgatgg	cagaaatgat
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90421	ggggagcaat	ttggggattg	ctcagactct	tggagccaga	ggctgcatga	cctctaaact
90481	gtaattttcta	atcctgtagc	taattttatta	gtcctgcaaa	ggcagactgg	tccccaggca
90541	agaagagggg	cttcgggaaa	gggctgttat	caattttgct	tcagagtcaa	agcatctact
90601	gaattccttc	ccaaagttag	ttcggcctgt	gcccggaat	gaacaaggaa	agcttaagtg

87541 87601 87661 87721 87781 87841 87901 87961 88021 88081 88141 88201 88261 88321 88381 88441 88501 88561 88621 88681 88741 88801 88861 88921 88981 89041 89101 89161 89221 89281 89341 89401 89461 89521 89581 89641 89701 89761 89821 89881 89941 90001 90061 90121 90181 90241 90301 90361 90421 90481 90541 90601



# FIGURE 3 (continued)

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90661 ttagaagcca gatagagtcg gttaggtctg atttctctca ctgtcataat ttcttgagtt
90721 ataatttggc aaagacagtt tcatacccag tgactgtttt cctgagtgct ttccagggtg
90781 gtggccaggc agaggtgtgg tcgagtcggg aggtgggatg gttccagcct caggggcctg
90841 gcttcttctt ccttcctgga gggacaaaat ggtcatcttc ctctgctgt agtgttttcc
90901 cctgcgtttt gttccttctg ctatgtgtgg atgtgttggg ataagatagg gcaagatgag
90961 caccgggaaa gggggctggc aagaggaagg gaacctgtc tgttctcttc ccttcccag
91021 tgatgctgcc tctggagaag gtgaggaaaa ctgcacca acaggctgca ggctcctggg
91081 gccagagctt tctgcttttt ccagactcca tatgactgat gtgaaaacgt tgagtttctt
91141 gagcctgctt gccctctggg tagtctaact gctctgataa taaaataagt gtagaggcac
91201 tgaagtaaaag aatttgcaat aaaaaagaaa atgaaaaatg gaagccataa gagaaatgag
91261 tattggatca agtgtgaaga atgggaaatg tcaaggcact tgataatttt tctgctaaca
91321 aacagacatt gtgaagggtg aagtttccat ggttttctt cctgcgttt tcttttgcta
91381 ttgtcatgag atctaggggc atgagggatt tgtcatttga gtgttacatt gcaacaaaaa
91441 gcaaggcaga agtacagaat ccacttaaat gagagtatga acacaatagg aggttttgct
91501 acctggaatt agatgttgaa ttgctgctct ctaaacttta ttttctatat aaaaagcttt
91561 aaatacaatc atttaattat tcatttaaag tttatattaa caacatttag tgtgcacctg
91621 ctatatgtaa agtatcccac taggtactat tcatcaaatt aaagccagct atttagttat
91681 gaaaataaac catggcccac ataccctgtg aagccctgtt aaaagcaggc aacatgcccc
91741 agaaaatatg tttcctttga atttcacaga aatcttagtt tgaggaagaa aaatcaagag
91801 tttttgttat aagccactat gtgtatgtct tgaacagtt aatgtagaga acagaggtag
91861 tggccataac tgaaataagg agatagttag tgagtgtgtg tgtgacctaa ttcaagtttg
91921 gtggtccaag tgggtatttt cttggcctgt aaaaactaca ggtatttgca aaactgttct
91981 aaatagtaat gtaatagaag ttttttaaaa attgagttag tgcatatgtt tggactcaat
92041 ttctccctct tttgggtact atatatgggt ctaatttcca gctgtgcagt tactattgta
92101 aattctcaac attaaaaaaa ttttcagata caaattattt ttattgatac atacttttta
92161 catatttaag ggggtacatgt gaattctcaa caattaatat taaataaaag gagaagaatt
92221 ctgttctatc ccagattaga aataccttag aatttctatt tgtgtctatt tccctccatt
92281 ccattatttt ctctctcttc ataccacatt tatatacgtc ttaccattta tttatattta
92341 ttttaatact tacttcagga aacttagtat tgttctggaa tcagaaagcc cttctagcta
92401 gtctgtcttg ccaggctctt ccgattcttc tccctcaaga agcaagtggg ggtgaccacg
92461 tcgacataag agatttcccg tctgactcct ccaccatct gtgtaggcca cagaacctca
92521 cgccaactgg ctctcttcag actgtgtgca actggaaaat cgagtcagat ttcagaaggg
92581 tgggaaaatg aacctagaaa gtctaattgt gagaaagcct taaaatatat ccttctagtt
92641 ccacaatagt gattattatc tttggcgata ctgcaacata aataggattt cttggctagt
92701 tcatctctgg cggcaccatc ttggcattta cactctacag aaaaggtaac tgaggagaaa
92761 gatggtccaa gttacttgcc acagatcaca cagattaaca gcagcacagt ctgggtgtat
92821 atgtgtaata tatatctttt tattattttt atatacaagt aatggttggt tctttagtaa
92881 aagttaaaac aatgaagatg agcaggaaga aaaaaatacc atccaaacac ccagcaaata
92941 accatactaa tgtagacata tttcttctca atcttctagg tatgtatgta tacatatatg
93001 tacatatata tacacatgca cacttttttc taaaccata ttgacctata acctctttt
93061 ttttttactt aacaaaatac tgggaatgtc tttttgtgtt ttaatatatc agctattcca
93121 tagtattcca ttttataatt atactgtaat ttaagtagcc agccctctcc ttttggacat
93181 atatgttgtg ccaagtgttg attacaataa gtatttctga aatgaacatt ctacccata
93241 catcttgggt ctgctttttt ttttttttct ataaccagg acagtgtgta agtgcttctt
93301 ttctttaatt tctcagttt tagttcctag aagtggcaat gctgggctgt tgggtttaca
93361 catgtttaag gttctgatgc atgtgactaa attaccctcc agaaaagttc tgctttaagt
93421 tctacttaac gctttcccac cctgggacag ctgaagactg gccagagctt tgcagctgca
93481 atgatgtgtt taccacctcc cttatccagc aacatttgca attagcctcc gacctgttc
93541 ctgggattgt ttccggtgaa aattagccat gcctggctaa tttttgtatt ttagtagag
93601 acagggtttc accttattgg tcaggctggg cttgaactcc tgacctctg atctgccac
93661 ctgcgctcc caaagtgtg ggtttgggaa tggtaacctg ggatgcacct agaggtgtgt
93721 ttagacacta gctgaaatca ctttgggtct tctagcaaac cttagccaat gggctccact

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# FIGURE 3 (continued)

93781	cacaaagggg	cagcttccaa	gagcagattt	tagctcaggg	cctcttatgt	tcaggacaat
93841	aatggagtaa	aaaaacaagg	ctgaaaacca	gaagatatgt	gggcttaagc	agatatgtga
93901	atagctaccc	acataggaaa	aacaaaacaa	aacaaaacaa	aaacaaaaac	agaaaataag
93961	gtgggagtc	ttctttttaca	accatggata	ccttttcttt	tcttttcttt	tttttttttt
94021	ttgagacagg	atcgctcttt	tgcccaggct	ggagtgcagt	ggttcgatca	tggctcactg
94081	cagcctcaat	cccccaggct	caagcaatcc	tccacctcag	tgtccaagt	agctgggact
94141	acaagtatgt	gccaccacac	ctggcctttt	tttttttttt	ttttttgaaa	tggagtcttg
94201	ctctgtcacc	caggctggag	tgcagtgggtg	tgatcttggc	tcaactgcaac	ctccacctcc
94261	caggttcaag	caattctcct	gcctcagcct	cctgagtagc	tgggactatg	ggcgaacacc
94321	accatgcctg	gctaattttt	gtattttttac	tagagacggg	gtttcaccat	attggtcagg
94381	ctggctctga	actcctgacc	tcctgatctg	cccacctcag	cctcccaag	tgctgggatt
94441	acaggcgtga	gccactgcgc	ccagcctggc	caattttttt	aaatttactt	ttttagagaa
94501	tgaggtctca	ctatgttgcc	taggttgatt	tcaaactcct	gaactcaagc	gattctccca
94561	cctcggcctc	ccaaagtgc	cggattacag	gcataagcct	ctgtgcccag	ccaatacctc
94621	ttattatcta	actgagcatt	gttaaattca	gggatgggtt	gctgagggac	gatattgacg
94681	attacactcg	atttgatgtg	tgctgactaa	ggcctgtgca	tgcctagcat	tgccttagtc
94741	atggaatgaa	tcacactcag	gttcagattc	tagtctgcc	acttctatg	tccttaggca
94801	agtgccttca	tttatctgag	actcactttc	cttgtccata	gttattccaa	ttgcatttgg
94861	ttgcagttag	tagaaattaa	gtatttaggc	tgggcacagt	ggctcacacc	tgtaatccca
94921	gcactttggg	aggccgaggc	aggtggatcg	cttgagctcg	ggatttcgag	accagcctgg
94981	gcaacatggc	aaaaccctgt	ctctacaaaa	aatatataaa	ttagctgggt	gtgggtggctc
95041	acacctgtgg	tcccaactac	ttaggaggct	aagacagaag	gatgacttga	gcctaggagg
95101	cagaggttgc	agttagctga	gatcgctcca	ctgcactgca	gcctggggga	cagagtgaga
95161	tcctgtcttt	aaaaaaaaaa	aaaaggggag	aaatcaagta	tttaaagcac	ctaaggacag
95221	ccccagccc	catggttagt	ctcagcaagt	gtttggtgaa	tgaatggatt	catgctctac
95281	gcttatatag	agtttacttt	gctttcagat	tgggttctgc	ttgctcattg	tacttatcac
95341	tatatgagaa	ttgtattggt	tattttcaaa	tttgccacat	attgtctgtt	tctccatcaa
95401	cacaaaacat	tctcaggaga	agagttgggt	cccagtgcct	gaaaacagt	cctagcacac
95461	agaagatggg	gaatcaatat	ttgtgggttat	ttctcactca	cattccgtcc	agcaaccag
95521	tcttggtacc	aggaggctgt	tcagcacagg	acacttatca	caccatttgt	tgacctcca
95581	cttccccctc	tgccacttat	cacaccattg	gttgacctgt	gcttgcttcc	agccatcctc
95641	cgttacctga	agaacgatgg	gaaggtgcct	ttgggtggtt	tcaacaacct	gcagctggca
95701	gacggaaggc	ggcacaggat	cctcctgagg	ctgagcaatt	tgcagcgagg	ggcgggtccc
95761	ctagagctct	acctggactg	catccagggt	gattccgttc	acaatctccc	cagggccttt
95821	gctggccccc	cccagaaacc	tgagaccatt	gaattgagga	ctttccagag	gaagccacag
95881	gtaggaaccc	acaaaccatt	ctctgaagt	gaaaaatgag	ctgccagtgc	ctagggagtg
95941	cagaggagcg	tgctgagaaa	ttcctgctgc	aggtcagtgg	gtctaattgc	gcttgacat
96001	cagaatcacc	tgcggagctt	gaaaagcaag	tgataggggg	ctgcccctag	gacaaactga
96061	atccgaatct	gtcgggtggg	gocctagcata	tttttatgct	aggggcatca	gcataatttt
96121	aaaataccaa	ttctaattgt	atgccgaaat	tgagagcttg	tgctttcaat	gataagtaga
96181	gactctggat	acaattgtaa	cgttgggaaag	gaagggcaaa	agtaaaaaata	actacctcag
96241	ggtgatgaca	ttatctatct	tcaattttct	ataatgaaaa	taaaaaagaa	tgattagaaa
96301	ctgccaagct	ttcataacag	catttttcaca	ggtcttgtca	gaacatccac	taacaaaagg
96361	gagcttagct	tagctgcatt	tggctttaag	ataccatcac	ctctgtcttc	tgttttactc
96421	caggttgatg	gtattttttat	tattctgtca	ttgcacctgc	tgtagaaatt	gccacataca
96481	tttcttttag	aattttgtgc	taggcagtgc	tttgttttct	ataaagaact	agtattcttt
96541	gtcctttcca	ataatgtata	actgggttaa	gttctgaat	ttcatccgct	atataagcca
96601	atgtcaaata	agtaactatg	ttcttctgta	atgggtccata	ttatttttgt	ctgctacctc
96661	tcaatcctca	ctttccattt	gttaattcat	tatattaata	tatgctttag	ttacaagcta
96721	ctctgagccc	tttgtagaga	gaagcagggt	gtaagcaata	atttccattg	caagtaggaa
96781	tgctgtgcag	tttttagatag	taatataaaa	actatgaatc	tgatcctaga	agttttgccc
96841	ttgaacaaca	ggaagcattt	ttaatcagaa	attccaagaa	agctaaaatc	cagaggtttt

# FIGURE 3 (continued)

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96901 ggggattttt gtttttcagt catatataga gagattttta atgtagattt acatatggaa
96961 aaaaattaat agaaagatat gctaaactct ctttctgcat ccccatagta gcgcatgtaa
97021 tcagaatgac agtcagaaat tgtgtcactg cttatttcag aaattagtgt tcaccaccaa
97081 ataagtcaat ttctaaaagt caggactcac ccctgacaaa gtcatacagaa actgtactta
97141 ctggaatttt ctcagaagct ctacctcctt agaccatggt agtgatcaca gtggctcagt
97201 ctcataatca cctactcact cattcagtca gtcaacaaat gggcacattc taggcattag
97261 tgctaccatg gtgggcaaag ccagtcattt tcttgactct gcggagatta tagtctgatg
97321 tccaatacaa tatgtgttaa atagcacatg ttgcctaaat cttagctaaa tcaaaaagca
97381 gaattcctct gaaaatcctt agctgtgctc atttctaaaa taaggatgat gacttcactt
97441 tggcagttaa cataaatggt ttgttgtata tagatataat aaagggtgatt gcaagcagca
97501 ttcacaagat aaaagggcaa ggacattgac tttttgacta acaatgaata atatcaaccc
97561 gtaatataaa aatatgatgc caactaccta atgatcatag aagatatcat ttattcattc
97621 tcatatccca aagaagtcag aggcctttgct agacccttga gccaaagacaa ccaaaaaata
97681 atactgttta aaattggggg taacacctta tttattatta tctaaattcc ataaaaaaat
97741 tacagacaat tcttaagagg ctctgccac aaaataactc ctttaccatg taggaaaaga
97801 gcctttcggt ttctcagctg tcttggtgac aatgccagca ttttcctagg ctactggcta
97861 cttacatatt cacttttagtc aaaaagatag ggctggcagg ctttaggaaa aaatgtgatc
97921 ctacaaaatt atgtaagatg tcagaggggc caagtataca ggactacttg attatgaaaa
97981 ttgcgtgagt aggcaagcac attggctttt gaacagtgtc agcaatctgt ggtatgaatg
98041 tgattttctt caggacttct tgggaagagct gaagctgggt gtgagaggct cactgttcca
98101 ggtggccagc ctgcaagact gcttctcgca gcagagttag ccactggctg ccacaggcac
98161 aggtgtgggc tcttgggcag tttgcatgcc ttcatacaaa caaactccaa agaccctgaa
98221 taggctgggt cccatcacgc aaaagtggga ctgtcaacag agcagcccaa caaaacgtat
98281 ctatgaaaaat cagtctcttg aacaaaatcc agggcacaga atattttcat tatgctttta
98341 tttttatgat tcacatggaa ttttagactta gtcagtggca tcattatcat tttttttttt
98401 agctgaatta aagaaattac cccaaattaa attcaaagat tctgggtttt tgaatcatct
98461 tgtcaggatg atttcctggg gaataatttg gttttgagtc acttagaaat gaccatcact
98521 ggctgaaaaa tctttgcctt ttgctgttcc tacaggggac ttttaaccgc agttcttggg
98581 tcaaatgaca caattaaacc aactcctggg agaggtgaag gaccttctga gacagcaggt
98641 aacaagcggg acatatcatc agaaaagccc tcttcttctt agagcagctc cccacaagct
98701 agtggagctg caggcctgcc caggcacggg ggcagcctct gagccagatc tccggggggc
98761 cacgcagccc cgcacgccag ggctctgctg gaagtctctt ggaaatgggg tccaagctcg
98821 tgatgaacac accatggctc taagcagagc gggagccatc aagggtgctt aacgctactg
98881 taagaagtgt tacagagagc caggtgcggt gcctcatgac tgtaatccca gcaacttggg
98941 aggtgaggt gggcagatca cgaggtgagg agctcgagac cagcctgaac aacatggtga
99001 aaccccgctc ctactaaaaa tacaaaaatt agccaggcat ggtggtgcat gcctataatc
99061 ccagctactc aggaggctga ggcaggagaa ttgctggaac ccaggaggcg gaggttgtag
99121 tgagctgaga tctgcccact gcactccagc ctgggcgaca gactgagact gtctcaaaaa
99181 aaaaaaaaaa aaaagtgtta catagatagc tccacatgga ttctttcatt cctggatgat
99241 atcaggcatt ccttttcaat ccttttttcc ccttctcatt tttaaagggt aaggaaacat
99301 catttttgcg aaacaccata gctgaatgcc aggcctgcgg taagtgtttt tctagtaatg
99361 ggctgcctcg agttggatga tgcaggctga tgaagggtt gcggtgaggc tgtgttgacc
99421 gcagtttctg aaggtctacc acatagttgg aggggagggg ggaaaagtcc aataggaaac
99481 caaattttgt tttgccttct gtatatcttc ctggcggtga atacgctgtt ggatgattgt
99541 ttttctctag gtctctctca gtttcagctc cgcaccccaa gcacggtggt gcccccggct
99601 cccctgcac cgccaacacg cccacctcgt cgggtgtgact ccaacccatg tttccgaggt
99661 gtccaatgta ccgacagtag agatggcttc cagtgtgggc cctgccccga gggctacaca
99721 ggaaacggga tcacctgtat tgatgttgat gaggtaaaaa ttcacttaga ctgggagggg
99781 atocctaagt atcctcctca cctgcagct tttggaaaaa gaagccaagc tgatgattaa
99841 gggctgactt gggctgtcct ccaggctcca ttgaaaccac ttgcttggag accctgagac
99901 aagggtggtc ggaaggagac atgacccaag gttatggctg cgtttgtcat ttttctctg
99961 tgtttccaac tcttctactg gtccattggc tacagtgtcg aggtttctgc tttacacgct

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# FIGURE 3 (continued)

100021	gaçattttgca	ttggttattt	ctcttaaata	gtctgtgcta	caattttgtt	tttccccac
100081	ttttgcaa	gtggaaggg	aggatttttc	taagggtata	tttcaggagt	caccgtggat
100141	ttcttcaggc	ttcctaaa	aaaggagcag	aggggaatct	cacaccaaca	agggggaggc
100201	cctgtaacct	atgagtaact	aaacgtgccc	agggagggcc	ccagaggagg	cacatccagc
100261	aaataccagc	tatttgaccg	gctggcagag	ccccagaaga	gactgtttca	agaccctggt
100321	taggcaggcc	agcctagtgg	ctgaagcctg	caatctcaac	actttggggag	gctgaggcag
100381	gaggatcaca	tgagcccagg	agtttgagac	cagcccgggc	aacaagacaa	aacctatct
100441	ctacaaaaaa	tatgataatt	actggggcat	ggtggcatgt	gcctgtggtc	ccagctactc
100501	tggaagatga	agcaggagga	ttgcctgagg	caggagggtg	aggctgcagt	gagccatgat
100561	ggcaccactg	cactctagcc	tgggcacaa	cctgtctcaa	aaaaacaaac	aaaaaaaaac
100621	atgggttaggc	aatcaccagt	ccagttgcaa	agcaatgttc	atagcaggta	gcaaggctgc
100681	cacaaaaatg	tgccctcaat	gtgcctttct	cctcccaccc	agcccaagga	aggctgaaag
100741	gagaagcgca	ggggagagat	gcaggtagcat	aacttaggca	cactgactcc	ctggggctcc
100801	tgcaggccca	tggtaatgtt	agtaacactc	agctgattac	cttcgctagt	agtaagcaat
100861	taagacggtc	tctagtaatc	cctcaattgg	agaaacaact	gcatacattt	cactgaactg
100921	catctggttt	ttatctgtga	ggtagaattt	tcctctttct	gaaagggcag	gaagtggtea
100981	tgtttttttac	attagttgaa	gtggttttaa	aaaaacaaaa	aacaatctcc	aagattccta
101041	gagccttgga	atagcatgga	cttgacagga	catggaggca	ggcacaggcc	ctgagggtat
101101	acatggtaat	gaagaggcac	cgccctggc	tttgccttct	cgaggctctt	ctgattgagt
101161	agttggtttg	ctgatgcttt	tggaggcatc	taacagccag	ctaagtggtc	cagggacata
101221	gtcctttcac	agagatttgc	aaattccatg	tcagaatatc	agggagctta	ttacattgag
101281	aggtaggctg	gttaatatca	aggacccttt	caacatgcat	gtgccattat	tctacagcac
101341	agcaaagcct	actaaaaagc	aacctcagat	tgtgtggtea	gggattcagt	gggtaactgg
101401	agttggaagc	ctttatttcc	ttttattatt	ttttccacca	aaagatagtt	aatgactaa
101461	acaagtatgt	gcaaatagat	gaagaaaagt	ttgagagtgt	tttctcggtg	tggctaaaga
101521	ctttgaactt	ttttgtctcc	agtgcataa	ccatccctgc	taccggggcg	tgcactgcat
101581	aaatttgtct	cctggcttca	gatgtgacgc	ctgccacgtg	ggcttcacag	ggcccatggt
101641	gcagggtggt	gggatcagtt	ttgccaaagc	aaacaagcag	gtaggctgaa	gtcatggttt
101701	ctattcattt	ctcatcttaa	caaaacaact	gtggttggtt	cccacctctt	tgggtataaac
101761	ctttacctcc	atgagcagtc	aaggccatgt	ggaatgtcat	ggtgcaaaat	gagcaaatga
101821	ggaagtgttt	caaccatttc	tgagtattta	catttataaa	atctagaagg	gaggaagctt
101881	ttaaaggggg	ataatagagt	atcactagaa	aaacagtaaa	tggggtaata	tggctatttg
101941	cataatttca	gtcttatttt	gttgatagct	gttgagcatt	ttgtctgca	gaataagttg
102001	agaaccacgg	agacaaaagc	tttgaaaaat	taggtcactt	ttgtagagtc	attgttgcca
102061	atcgaaagctg	tttcagagat	gaggggattt	taagagtaga	aataatcccc	caaggcaacc
102121	tccccctttt	cttatgtgaag	ctataaattg	ccataaagca	cttgagtact	tcttgacagt
102181	ctccatttat	ttcccaatgc	tctactatat	tctggtcatt	atttaactga	ctgactgtga
102241	aattcttttt	gatgttttta	goccttaaaa	atgggtgttc	tataaatata	ttttactacc
102301	ttagggaaat	tattagcttt	gaagaagggc	aggggtttat	tatttcctag	ctgcctatca
102361	aagggttcta	gagggcatga	tttttttaag	ttattgttat	actttaagtt	ctagggtaca
102421	tatgcacaac	gtgcaggttt	gttacatatg	tatacatgtg	ccatactggt	gtgctgcacc
102481	tgttaacttg	tcattttacat	taggtatatc	tcctaagtct	atccttcccc	cctcccccta
102541	ccccatgaca	ggccctgggtg	tgtgacattc	cccacctgt	gtccaagtgt	tctcattggt
102601	caattcccaa	ctaagagtga	gaacatgcgg	tgtttgggtt	tctatccttg	cgatagtttg
102661	ctcagaatga	tggtttctag	cttcattccat	gtccctacaa	aggacatgaa	ctcatccttt
102721	tttatggctg	cataatattc	catggtgtat	atgtgccaca	ttttcttaat	ccagctctatc
102781	attgatggac	atttggtgtg	gttccaaagtc	tttgctattg	tgaatagtgc	cacaataaat
102841	atacgtgtcc	atgtgtcttt	atagcagcat	gattttataag	cctttgggta	tatgccaggt
102901	aatgggatgg	ctgggtcaaa	tcgtatttct	agttctagat	ccttgaggaa	tcgccacact
102961	gtcttccaca	atggctgaac	tagtttacag	tcccaccaac	agtgtaaaag	tgttcttatt
103021	tctccacatt	ctcttcagca	cctattgttt	cctgactttt	taatgatcgc	cattctaaat
103081	ggtgtgagaa	ggcatctcat	tgtggttttg	atttgcattt	ctctgatggc	cagtaatggt

# FIGURE 3 (continued)

103141	gagcattttt	tcattgtgtct	gttggtgtgca	taactgtctt	gagaagtgtc	tgttcataatc
103201	ctttgcccac	tttttgatgg	ggttgtttga	tttttttctt	ataaatttgt	ttaagttaag
103261	ttctttgtag	attctggata	ttagcccttt	gtcagatgga	tagattgtaa	aaatgttctc
103321	ccattctgta	ggttgcctgt	tcactctgat	ggtagtttct	tttgctgtgc	agaagctctt
103381	gagtttaatt	agatcccatt	tgtcaatttt	ggcttttgtt	gccattgctt	taggtgtttt
103441	aatcatgaag	tccttggagg	gcatgatttt	ttagactaga	aaagggaggc	cagctagaca
103501	tataggaatg	ataagaagct	gttaagagtc	ctctaaagac	aaaatctcta	agaacaaacc
103561	aaggaaacat	aagggtactg	gtgtaaggta	gtaaggagca	cttctcaata	gatttccagt
103621	aacaaggcag	acagaactga	agtgggaagg	agccaccttg	ctaaatttaa	cagcaaattgt
103681	tactgcattc	caaagtcaaa	gaaaataaaa	ggaaatggcg	cagtgtccag	aaacaaagag
103741	aaaactcaaa	gccagaactg	tgactagagc	tgatgccaca	gcagatcctg	ggaggtggga
103801	gttggtgtcca	ggtcttagta	acagggacct	ggcttttacc	acctgtgtgg	agtggatgca
103861	gcaatgtagt	ctgggaactt	tggaaaggcc	taacaccctt	gcataagtc	aggaccctca
103921	gagaaccacc	ttatcaatta	caaggagaca	ggaaaccttt	agtagcccta	agaaacaaca
103981	aagaagctct	ttagctttta	tacatggttg	acaaaaatga	aaattgccta	cagcaaattca
104041	aagcaccaca	cttgtagcac	atacagttat	gagttccaaa	tctgtttata	atataatgca
104101	gaaacacaag	ccaaaaaatt	aaaataataa	ccagccatga	agaagtgaag	tccccagggc
104161	tctgactcaa	gtcaaaggca	caccactctg	ttaaagacatg	ccaaaattca	ggggccaattg
104221	aatgcccaca	ggcaaaattt	gggtactga	agatatgctt	ataaacaaaa	atggcagttt
104281	atataaagaa	actcccatga	ggaaacatga	taaatgcaaa	gtaaatataa	aaaggtaaag
104341	aaataaatac	catacttaaa	gaatagggca	atgccccaac	tgggcaacat	ggcaaaatcc
104401	catccctaca	aaaaatacac	acaaaaaaat	tagccgggtg	tgatgggtgca	tgctgtgggt
104461	cccagcaacc	ttggggaggt	gaggtgggag	gatcacctga	gtctggggagg	tcgaggctgc
104521	cgtgagctgt	gattgtgcca	ctgcactcca	gcctgagcga	cagagcaaga	ccctgtctca
104581	acaacaacaa	caaaaaaata	tagggcaatg	tgagaaaaac	agataagttt	gtaaaacaga
104641	caaataaaa	ttttatcaat	ggaaaatcgt	tgaacttaat	agatgggcaa	aacagattag
104701	acacagctta	gcagggagtt	catgggctag	gaggtgaacc	taaagaaatc	atctagaatg
104761	cagcacagag	aaataacgac	atggagcata	taaacaagag	gttaggagtc	aaaagaagat
104821	attaacaaga	aagttcgata	ttcatccaat	tgtagtcca	aagaaagact	agaaagcagt
104881	cgggggaagc	tgagaatggt	ccagaattga	aaaaagctaa	gaatcctcat	ttaggagaac
104941	tgcattgatt	cccaagcaag	attaaaaaaa	aaaaataaaa	tttccatacc	taaaaaggtg
105001	atggaacaga	tgaattatac	aagttgtctt	ttctgaataa	ctttcaatac	catgaaagca
105061	attctcattt	gcaattagat	taagtacaaa	ctggtacaaa	tgcaaggag	atggcacaaa
105121	taaccctcag	attaccattc	taccgaaat	tccgcatctt	cacttcacac	aaagatagca
105181	aaacaaagga	gattttattg	cattttctatt	taagcagcat	gtctcgctaa	actttctttg
105241	aacttttctg	cactaggtct	gcactgacat	tgatgagtgt	cgaaatggag	cgtgcgttcc
105301	caactcgatc	tcggttaata	ctttggtaag	tattttctac	agctgttgtt	atcaaagcag
105361	aacgggttat	taaaacaagt	gtatgtttat	agatcatagc	ttccaaacac	acctagaaca
105421	tgtgggcata	atatatttga	ttggcagaat	aaaggcaaaa	gtttgtgctg	aaaaagtgtt
105481	taatattgag	aatttttaaa	gtaattttta	tgtaagaata	attttataag	tgccaagttc
105541	tttattttct	atcaaagttg	caatattagg	ctattagata	actattttat	gagtaaataa
105601	ttattactcc	tgtattttta	aattgtgaag	agcttggtag	tttatattaa	tagttcagta
105661	ttttactggg	gactacacaa	tccccaatg	gcattattta	ttttcataaa	actttcaatc
105721	atgggggtcag	gagatcgaga	ccatcctggc	taacatgggt	aaaccccgct	tctactaaaa
105781	atagaaaaca	aaattagccg	ggcctgggtg	cgggtgcctg	tagtcccage	tactctggag
105841	gctgaagcag	gagaatgaca	tgaacccggc	aggcggagct	tgacgtgagc	cgagatcgca
105901	ccactgcaat	ccagcctggg	gcacagagca	agactccctc	tcaaaaaaaa	aaaaaaaaaa
105961	aaacttttca	aaacttttca	ttgtattaaa	ttaaagtgtc	tagcacttag	ggatgcctat
106021	aacttaagta	ttcagatatg	ggttttattt	ctgaaagtgc	ctgtcaaaact	gtgtccaaga
106081	tgagagatgt	accagagttg	actatcaaga	aaagaactac	tgattacgtg	tatgactatt
106141	tgaaagttat	ccagcctcta	ggttccttgt	ttccttgtaa	gtaaaaaacac	tttacattta
106201	tcaagtcact	tatttttaac	ctcacacaaa	cctcataaac	agggattatt	attatcccca

# FIGURE 3 (continued)

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106261 ttttacaatt gaagaaactg agggacagaa atattacatc attaagtcca ggcattggtgg
106321 agcatgccta tagtcccagc tcctcaggag gctgaggccg aaggatcatt tgggtacaag
106381 agtagtttga ggctacagtg agctgtgata gccactgcac tctaacctgg gtgacagagg
106441 gagacctgt ctccaaaaag aaaaaaaaga aatgttacgt atttagacta aggtcacaca
106501 tcttccagggt tggtacaga gcctgagttc ttctccgcaa tgctatatgt cttaggaata
106561 gatggggatt tattgcttct cagcttttac caggacaaag tagtctgcaa atagatttgc
106621 gagatcttgg tgtaaaggta ataactgagc cacctagaga gaaggaaagt agacagtaaa
106681 tagaactcca ggaaacccca aaaacgaagg actaggccaa ggaaaaagag cagaagccag
106741 aaaaaggagc gaactgatag cacagccagg gaggctgaaa gatcgagaca agtcattgga
106801 aagcatgcat tggatttggc aactaagagg ttgtgagtga cttaaatacat taaacaatat
106861 atatacttca aatggatgtc ttttacgacc tgtaaagtgt atgccaataa aactgcataa
106921 gatgaaaaag atctaagtga cagcatggtg actgtagtta ataatactat attatatata
106981 tgaaatctgc taagagagca gatcttaagt gttctcactg aaaaagaaaa aaaggaaggt
107041 aactatgtca gttgatggat gtgttactta actgactgtg gtaatcattt cacaatgtat
107101 acgtatatca catcatcaca ctgcacactt taaatatatt cagttttgtc aattatacct
107161 caataaagat gaaaatttta attttcattt tttaaacata ttgtataata tttattacat
107221 atatagtgtg cagtgtgata atatatatta tatatataaa agctaaaaaa acctggcccc
107281 tgaagtgtca ttgcagcgga gctgacagct catttgtcag ttctcagcc tacctcatca
107341 gaaattctca atgcaggcca ccagctattc tctgtgcacc cattcctttg tcaattccatt
107401 gtaaaagagc caaaggaaaca gcaataagaa aaattaactt gctttttaag cagatcatct
107461 cctgtcccc agagtaaaact tctcacacca cctcccagga cttcactgga acttttgacc
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107581 cttcttccct cacttctatt cttcttttgt ctgagtggcc ggacgcagcc tccagtctga
107641 tgggtgttttc atcaacattc acatgatctt acatgtaagc aaagaagaag gcatggatct
107701 gatgcctgat tctgtccagc aatgagtacc tgtgaaaata tacacaataa ctgtaccttt
107761 gctcaaaactg tacctttgcc cacagctttc agctcatcac ctgatctttg ttccttgtag
107821 ggatcttacc gctgtgggcc ttgtaagccg gggatatactg gtgatcagat aaggggatgc
107881 aaagcggaaa gaaactgcag aaaccacagag ctgaacctt gcagtgtgaa tgcccagtg
107941 attgaagaga ggcaggggga tgtgacatgt gtggtaaagt gttttttgac ttcctctatc
108001 atttttcttc ttccattttt aacaccacct ctctccagtt tctatgtgct tcagggtaaa
108061 agtactccaa aatgaaaagca ttgcaattaa atgagcatgg agtgtaatag gaacagggtc
108121 caccaggttt gtggggagca gctgacatc catctaacca tcagctgect tttctctccc
108181 tcttggtctg ggggcaaccc ttgocacttg ggtacctgga tgccagagcc tccgggtgaag
108241 cccagctcc caagcacctt ctatggaaag gcccagaagc cagcagcagg gaggtgaagg
108301 aacattcttc tcccctttcc ttctctgccc ccatctacct gcctgtataa tgacaacata
108361 cctgctgtca tctctaactg tctctactct tacaacttcc agagtctgtc tgccctgacg
108421 ctctgtttgg ggggtggcca tctgttagag gtggggactg tcatagtccc tccgggagaa
108481 accttccgtc tttggcaggt gactggcagg gccagacggc gccatgctgt atgtctacct
108541 ccaactccaat cagggacagc tccatgaatg gtcacgctt ctgtgcattc tccagccacg
108601 gagctggtct ggggagggga ggctgggaag agagtagagc agtcacagca gggcctgaca
108661 tgggtcccat gctgagcttg tagtgggccc tatgtgaagg agagggcatt ctctgccat
108721 ccattcccaa atccaaggat ccagagtcct cagcctgcca tccattccca aatccaagga
108781 tccagagtcc tcagcctgcc atccattccc aagtccaagg atccagagtc ctccagctgc
108841 catccattcc caaatccaag gatccaaagt cctggggatc ctaggcactg aaaaatcagc
108901 agactctcagc tgccccctc ctctgcactt cctgggatgc caggccctcg gccgggtggcc
108961 cgtcagactc tggggctact ggttcacagt gatcacccct gagtagcaag atggattctc
109021 ggagcccttt tccatcttta tctcaaagt atgcttcttt atctttatgc atacacaatt
109081 ttccacaatg agcctaccac ttttcaaata ggaaaaataa gagtcaaaaa tgagttaata
109141 aataaatata atgaagtcag cctccttgg caatacagat attctgtaac aaggtcagat
109201 ggaagaatgt ggtgtatcag agggggaata accccagcaa tttcctgaat tcctcatggt
109261 tgggcttgtt tattacaaa aagcagtcac tgagaaacaa gtgtatatct ctgtgaaat
109321 cccattttc tgtgaacaaa ttgacaactc cctgggatg atgggtgatg gggctcttaa

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# FIGURE 3 (continued)

109381	tatgtttttg	aatttgtaat	aaggcacaac	gacagatggt	aaaggattaa	taaacttggc
109441	gtgactacta	aaataattga	atctgccaga	aaatagctca	ttaaaaatgt	atttgttcct
109501	agaggacatt	ttttctcat	taaagtgagt	caaggatcag	cctcgtggat	cagccttcca
109561	ggccttccaa	aggccctgct	ggggcaagt	agcaggaacc	aggagcccgg	gagggctctc
109621	ctggagtctc	gcctcctaaa	tcttggttgc	agagggagag	cacagatgat	tgagaataag
109681	caggctgtgg	ctgaggaagt	cactggctct	aaagcttttg	ggtggtgagg	ccaggaaatt
109741	taacctgtgc	tcacataagt	ctgatttccc	ttggcccaga	ctctgctcct	cagactctct
109801	ccctcttctc	tcctttacct	cccgctcccag	gtcagctttc	tctccctctg	cgtttccagt
109861	tcctgtgac	cttctgggtc	ccctcctccc	atctcccttc	tgctgctctg	cctgttctct
109921	gaagtgggag	tgggagggag	agttttctct	ctgagtctcc	ctttatatct	ttgaatagtg
109981	aacattaca	ctattcaagt	gcaattaaat	agtttctaag	ccccacccaa	caaggctgag
110041	tgactctggg	ccctccccct	gggattgagc	aaaggagcag	agaggccctt	gtcagccacc
110101	agcttctctg	caggctcagc	ttcccaggcc	tctgatgggc	tttcccttta	cagtgtggag
110161	tcggttgggc	tgagatggc	tatatctgtg	gaaaggatgt	ggacatcgac	agttaccccg
110221	acgaagaact	gccatgctct	gccaggaact	gtaaaaaggt	aaggggtgtg	gggtggcagt
110281	aggcacacat	gcactgtggc	tttccaaagt	cacatcttct	atggggagag	gttctgtgga
110341	tctaatttaa	aattgtactt	gtaaagtagc	tgcatctcag	aggaagtga	acagccacca
110401	acaataaagc	cacagtgtct	tgaggtcaga	aacagttact	ggcttaacac	aaatgtagga
110461	tgtcactcgg	aactgcattt	ttcccctaag	gacaactgca	aatatgtgcc	aaattctggc
110521	caagaagatg	cagacagaga	tggcattggc	gacgcttggt	acgaggatgc	tgacggagat
110581	gggatcctga	atgagcaggt	acctgcttgc	ctgggagggc	ctgtgaattg	ccacgtacca
110641	gggatgatgg	gagaaagcct	gtgatgtcaa	ctatgtatat	gaatcatccc	aaatgttagt
110701	ttccatgcct	gcattccaca	gcactgcagc	tttttaccct	ataagattca	cagatgtttg
110761	aaatataaaa	ctgacaaact	tgggccacca	gagtgtctgat	gcttcacaac	aatggaggaa
110821	gtggatttag	taaaagtctg	agtgatgttc	tgctccttca	tcttttagga	taactgtgtc
110881	ctgattcata	atgtggacca	aaggaacagc	gataaagata	tctttgggga	tgctgtgat
110941	aactgcctga	gtgtcttaaa	taacgaccag	aaagacaccg	atggggatgg	aagaggagat
111001	gctgtgtgat	atgacatgga	tggagatgct	agatttatct	tgcttttgtc	ttttatttgg
111061	aattcagttg	accttggttc	attgttctct	gagagagtag	gaatagaatg	actgattcgg
111121	agccttccag	ctgtgggttg	ctcattgtgg	cctgcatctg	gaagacccaa	ggtggacttg
111181	tgtctatgga	aggagacccc	acagcccact	ccactaccta	atggctctgg	atgtttccag
111241	gactctgtat	cattgccaga	aactttgtat	gaccccttca	agcagtgtct	tgctcagagt
111301	tgtctttatg	gggtatctcc	cttcccattt	ctacctgtcc	tcactctcca	ctatcctttc
111361	tacatgtgag	agaccagaa	gtggagaact	gaatgagaag	gcattgagca	gggtcacaga
111421	ctatgcatca	caggctacac	atcccattgt	gggcccttga	aggaaaaacc	tttttgaaat
111481	accacctgcc	ccaacacaca	catacacaca	cacacacaca	cacacacaca	cacatacacc
111541	actccagaac	atgcacaccc	ccctaaaaca	tgacctcacc	ttctgcaagc	ctaactgatg
111601	acccatttcc	agtgggtatat	gtcggtaagc	aatcacaga	aagccctagt	tggtagcatt
111661	ttccagtttc	catgatgtaa	ctccgcattg	tcctcattgc	tgatttcaag	ctaccaatgt
111721	gacatcatca	aacacaaaac	tgaaaagaga	gggacacaat	ggacccagct	ccagacaca
111781	actgcctaga	gccctagggg	ctcagtcata	gctcagatac	ccacgagatc	ctccctctcc
111841	agggtcagcc	atacagccat	catgatcccc	tcctcgtggt	tgctatcata	gcccttgaca
111901	tcttgacaaa	attagaattc	agtcgataaa	tacctctgag	agctgttcat	ttttaagtct
111961	cccagaatcc	gtcctttgaa	gtacctctg	gataactgca	gaaaagggtg	gtctctgtgt
112021	gacactggcc	caggcagaag	tgactcacca	tgcgctgat	ctctccagca	cctagaagaa
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112141	tggacaactg	cccaaaattt	cccaatcggt	accaacggga	caaggatggg	gatgggtgtg
112201	gggatgcctg	tgacagtgtg	cctgatgtca	gcaaccctaa	ccagggttagt	aggatactgg
112261	ggaattcaaa	ctccaggctg	aattcctcta	tgcaaagact	catttaagac	gggtgtctag
112321	aaaaacagca	gagcctctta	gctgttgcca	cttacctaac	aaagcagagg	tggaaaaaat
112381	acacactgtg	ggcctgaaga	tggtgggatg	aacaccacac	aagatctgaa	gccctagggg
112441	ctatctccca	ggctgtcgat	tgctgtgag	gttagtaaca	cgaacttcat	gatgctcaat



# FIGURE 3 (continued)

112501	acaagtattt	ttcctgcaga	aaggaaaacg	gagcatggaa	attaaccatt	gggagccttg
112561	tgtcccttta	gtccctaaac	ccctacacag	cctatgtatg	gacatttcag	attaagttca
112621	gccagggatg	tggtgcatct	cccttctcac	tcctcctccc	tgtctggata	attgggtatg
112681	atgtgtcatt	tatttttaaa	gccttgagag	aggggagtca	tggttgccct	ctgtgactca
112741	ctcatgattt	tggccaaatt	gcaaattgca	gaagcaaagc	aaaatcaacc	tgccttctcc
112801	ccatgcctat	ggctggctcc	ctgtgacccg	tgccagagtt	ccatgcctcc	acctgccacc
112861	atgctacccc	agcgcccttt	tcacatcagc	tcctctggtg	tgtgggcagc	ccatccatgt
112921	agcttgatat	tttagaaggc	ttttttgaaa	attcagcatt	gtgcctacac	caatatgggtg
112981	ttgtcccttt	gcagttttgc	accaccccg	ttccagagaa	ataattcccc	aaatccaatg
113041	atgatgggtg	aggtctgcct	tctctggaac	attcggtaca	tgcaggccca	ggaataaata
113101	acatgtgctg	ttctctttgc	agtctgatgt	ggataatgat	ctggttgggg	actcctgtga
113161	caccaatcag	gacaggtatg	gcattgtctc	caactgcaga	gagacagatg	caaacatccg
113221	gagaggggtt	ttggtttggt	tttttttttg	aggcggagtc	tcactctatc	acctaggctg
113281	gagtacagtg	gtgcaatctc	ggctcactgc	aagctccgat	tcacaggttt	atgccattct
113341	tctgcctcag	cctcccaagt	agctgggact	acaggcgccc	gctaccatgc	ctggctaatt
113401	tttttgtatt	ttcagtagag	acgggggttc	accatgttag	ccaggatggt	ctcgatctcc
113461	tgaccttgtg	atctgcccgc	ctcggcctcc	caaagtgtg	ggattacagg	cgtgagccac
113521	tgtgcccagc	cgggagagg	ttttaaat	cagaacttcc	tgtgctcca	ttccttggga
113581	tctttctggg	tggactgagc	tgtctggtgg	ataatagccc	tgcctctggt	cagaattacc
113641	atgaaaat	tcctgaaag	ttctgtatag	gggtataacg	tgtcagaata	ggttactagg
113701	cactccagca	agtgagatct	atctcaggag	aggtaatata	gcatcatgct	tcacagatgg
113761	gctctggaat	aagacagcta	gatataaatt	tcagctcctt	ctcttacatg	ccagctaacc
113821	ttaggcaaat	tacctaatac	ttttgcctca	atcttctcat	ctgtaaaatg	aggatgacaa
113881	tagatctagc	tcataggacc	atcgtgaaga	ttgagttgat	ccatggaaa	tgctcattat
113941	ggtttctggt	atatacatag	cactcaatag	acattagctc	ttttattttt	atattctttc
114001	agctcaggaa	aaacttcacca	tcattcccaa	atagaaggct	gtcagtttgc	tgagggtattg
114061	ctattatttt	ctggtccttg	aaattttttt	aattcagttt	tccttattta	agtgggaattg
114121	ttctgtggaa	gtgagttttg	tgaacctctc	tagctcaaca	cgatggagtc	ccacattaag
114181	actcaaggct	ggatcaactg	atcagattct	ggaagaacat	caccaaaaac	agacgtgtgt
114241	cactcagccc	tagcggcacc	tgcaccccaa	ggttctaaac	ccttttgtct	ccatagggaa
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114481	tttttttttg	agatggagtc	ttgctctgtc	acctaggctg	gcgtgatctc	ggctcactgc
114541	aacctccacc	tcctgggttc	aagcaattct	catgcctcag	actcccacgt	acctgggatt
114601	acagggtgtg	gccaccatgc	tggctaattt	ttgtattttt	agtagagaca	gagtttcacc
114661	atggttggcca	ggctggctct	gaactcctgg	cctcaagtga	tcacactgcc	tcattcctcc
114721	aaagtgtgca	tctctttcat	tatgctctgt	gtccttgctg	caaagtacat	atagtcatcc
114781	ctcagtgtcc	cagggtattg	gtcccaggat	acctctctgc	ccccaggata	ccaaaatcct
114841	caaatactca	agtcctttat	ataaaatgat	gtaatatctg	catataacct	atacctgtcc
114901	tcctatatgc	tttaaaaatc	ctctctagat	tacttaatac	ctaatacaat	gtaaatgcta
114961	ggtaaatagt	tattatactg	cattgggttc	ttatttgtat	ttttttggtg	ttatttttta
115021	ttgttctttt	tcaaatcttt	tcaatcctca	gttggttgaa	tctgcgata	cggaaccg
115081	gatacagagg	cctgactgta	ctagctaagt	gaacttaaac	atatttccca	gtctcttcac
115141	atctcaactt	cttcatctgc	aaagaggaga	taaataaatg	catcgcacag	gttatgggtga
115201	aaaatcaaga	taatgtagg	aaagctcccg	gcacagtgtc	ggcccaagg	tgacatgcag
115261	aaaacagggg	ccgtgttatt	attggtatca	cagtacaagg	aaaggcacat	cagcaacaga
115321	gcctgacatc	agatgtccct	ctcctcttcc	gagaggaagg	tggtgactgta	tcctgacaac
115381	tgccttaaat	gatgtgcgtc	aagaatgttc	cctgggtgcag	gtcatcttgc	actctgacta
115441	ctatctacat	taatttctaa	aatatcctgt	cccaccagcc	tctagatatt	tgcctaaaac
115501	aaatgactca	ttctgctatg	ttttaattcc	cacaaagtgt	aaccttggag	aagaggatag
115561	gaactgcttg	tttttgcata	aaaatgttca	gggtacata	gaacggctgc	taatggaaat

# FIGURE 3 (continued)

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115621 agctcagttct tgtgtttttat aaagcagacc tgctgcatgc acagggattc tgctgtttga
115681 gccacatcat tttctgcttg tcaaggtgga ctccactttc actggaccct ttctgtcccc
115741 ctgtaccatg tggtaggtgt ggccctagag catggtctgg tccctggctt cctctccaa
115801 aaggggtgcag gggcagctcc tggcccagga caggccgcag gtggaccagg tctaaaggag
115861 tgctcattct tttccagagt aacctgaga ggtctcagac tccaggacac ctcttggagg
115921 cagggcagac tcatcttcag gtggccctc agcccagaaa gtcaggtgga cagagaagga
115981 gagttctgag aagtccttta gaccagcact gagcccggcc tacacactct cctcgagaag
116041 gcggtggccct gttcactttg ccctctctcc catggcgctt aggtctgaat cctcattgga
116101 tccactagcc agggattgtg aagagtaata taacggaaaa cactgtaggg ctccctaaga
116161 gtcagcactt tttcatatat tgaaatttaa tatgcaacat tctgattttc atcatttaat
116221 ctccataaca actctatgag gtaggtacta ttctcatttt acagatgagg acactgagcc
116281 atagagaggt caggtgtcat gctgaggtc acacgctggg cacagtggct gagccaggat
116341 ttacactgag gctgtctggt tccactgect gtcattgttc ccctcacaca tctctgagt
116401 tgagtatcat cttagcagttc ccagggaact actgatagga gcatctggtc ataaatcata
116461 gaaatagacc cttatcttct ttagtaggaa atgactcact tgttttaaga ggttggggat
116521 gggaaaaattg tctctgaggc ccatagggca gccttatcta agggaatgac cccagtgggt
116581 ttgatttttaa gagccaaccc tgggtttaaaa aaaacctcaa gcacagactc tcttctctaa
116641 aatggatcc ttctgttcc ctgctgaact gtgagccaca tcacctgtcc tttctctgc
116701 agtgatggag atgggcacca ggacagcaca gacaactgcc ccaccgtcat taacagtgcc
116761 cagctggaca ccgataagga tggaaattggt gacgagtgtg atgatgatga tgacaatgat
116821 ggtatcccag acctggtgcc cctggacca gacaactgcc ggctgggtcc caaccagcc
116881 caggaggata gcaacagtaa gcaggctcag cccagagctg cacagcacc cttgggtccc
116941 ttcagccagg cacatggggg cagcctctc tccaggcacc aactcagaat atccccagct
117001 cccatcagct gcttctctac acccagcttc tctgcatagc tgcagcttgt gtggacagca
117061 gatctctggt agacaccagt ctccaactca gtcaggactg agctgctttg catcttctctg
117121 aacaacctta ggatgccatc acacaggtca gggaaagcagc cacacactgt ggctcagtc
117181 ccaaagggtc tggagagctg ctccaccatc ttacctgtca cctgccacct tccactggga
117241 gtcccagaaa aggagcagga tagagagaat ggcacagtag aagtgggtata tgctgggttc
117301 acaaacacag atgcctgcag gtgccaggca gataagaaaa tgtctgcacc aagccagaca
117361 tgagacagca gggagtgttg gggactgaag tgacctggag agggcatgcc catccacagc
117421 agtgcacatg caaaaatgcc agcacgttag ctgaacaaca cacacgtggg ggccaccaga
117481 agttagtgtt agagatatct tggtaacaat aatttccctg tttctctacac attacagtcc
117541 agaaagtgtc gtagacattt gcttatgtga ggtcaagctt aagatccacc agttgggtgaa
117601 ctcaactgta ggtaataaga acttcttgag gacagagtgg agggcaactg ctcaaattga
117661 tctttcaaaa aactctggga ggactggcct ggtcaccag tacaaggact ccagaatggg
117721 gcttggcacc agctcagaca tgtcccagg gctcctctcc caacactgat gggaaatcat
117781 ggcctgtgtt gtgggagctt gagcccttct gttcctctatg cagccccctt cctgccaag
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118081 tgtcacatgg gcggcaatgg ctgagccttg cctctcaaca gaggccttc tgatagtggg
118141 aggtcatgtt tagagggtgc agacaataag ccaggcattc ttcacattcg ctcttattcc
118201 tcaacagccc tatgacagac tacttcaatt atgcccattt tacagaggat gaaattgtct
118261 gctacagctt tcatgattgt agcagcttta atgatggtag cactgtggta agtagctgag
118321 atgactggaa ttgggaccca ggcagtctga cctagaacc cacacttctg atctctgcag
118381 cagactgcct tctgcatatc ctctcattg tgtaactaag aagtgcaggc acagagaggc
118441 ttagtagatt ttccagagtc acagagcaag tcacattgat tagaagtata tgttgtatgc
118501 tccccagtta agggcctgtc caatcagctt aagtgcagct ctcagcaaac ttatttctat
118561 tcagctttga gctttttttt aacctttaca agcacatgct ttctttgagc acataacaca
118621 atagagcaac tatttcagat aatgaaatct ttatatggag gtcagacatc actggccact
118681 cactcatatg gtgcctgagg ttttgagctt ccttaagggt acttgcccc ttcaagactg

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# FIGURE 3 (continued)

118741	ttctgaactc	cctcaactct	ctctgcaggg	catggagatt	gtacagacca	tgaacagtga
118801	tccctggcctg	gcagtgggta	tgtccagggc	ctcagttgcc	actcacatag	aattcttcca
118861	gtactagtgt	tggtttgtct	attgttctaa	tcttatctgg	tccctacagg	gtacacagct
118921	tttaatggag	ttgacttcga	agggaccttc	catgtgaata	cccagacaga	tgatgactat
118981	gcaggcttta	tctttggcta	ccaagatagc	tccagcttct	acgtgggtcat	gtggaagcag
119041	acggagcaga	catattggca	agccacccca	ttccgagcag	ttgcagaacc	tggcattcag
119101	ctcaagggtat	tgggtggtttg	aagtcattca	tctccctttc	ttctggacct	ctcatctttt
119161	ttcagatatt	gtgttttccc	atgtggtact	tagttaatct	aaaaaaaaatt	gatgcattta
119221	tgctaacgtt	agagtcaggg	aagactacag	ttgacccttg	ccttcattcc	tgtgtgccag
119281	ctacattcta	acctctcatg	gtgggaatcc	cagcctacat	gaggtcagag	agaggggaagg
119341	tttagagtg	atcttcaggc	acactgtgtt	ggaaactggc	taataaattt	catcgatagg
119401	tccaactttg	tacaggaggg	ctgatgggct	acttctgtca	ctcctgctag	gacacaaggc
119461	tgacttaagt	agccagacgt	ttgataggag	ccctcatttg	gcaaagttag	ggagcaatgg
119521	atgtgcagca	ggaacaaaca	tgggaatgtgt	aatggaatac	tgggcaaggc	ttagtagtaa
119581	aaggttgggg	tcacctccat	agaaatgaca	tttaagtgtt	tatgctttgt	tctgaatcca
119641	aggcagccgg	attataacca	tgactataac	ctggatcatc	acttcagatc	caggaagcag
119701	gaagggtggt	gcctgtgtcc	tgtcctaaaa	ccttgcttgt	gtcatcatgc	aggctgtgaa
119761	gtctaagaca	ggtccagggg	agcatctccg	gaactccctg	tggcacacgg	gggacaccag
119821	tgaccaggtc	aggtctgtgt	ggaaggactc	caggaatgtg	ggctggaagg	acaaggtgtc
119881	ctaccgttgg	ttcctacagc	acaggcccca	ggtgggctac	atcaggtagg	tagaggcccc
119941	atctccttac	cttgtctctag	aagcaaagca	ttctccgttc	tgcattcccag	agccttcatt
120001	tccctgagca	attctgacct	aggatagtcc	ccaaggacat	gccaggactt	ttgtgaccgc
120061	aggatgggga	acctagaaaa	gaggtgggag	agaagatatt	cagggtcaga	ccaccgggac
120121	aggacagtag	gaccaagatg	gggatagaag	gagcagagct	gaggggacga	cccagcgttg
120181	tgggggttgg	gcatttggat	ggctgtgccc	ttctgcatg	ctctgcagag	aagcctgagg
120241	gtggacatgc	caatcggtat	gaggtaaag	gtgtggcagg	gtctcttctc	cacaccctcc
120301	cctgtggcac	ctctggggcc	tgtgtaatca	cttactagt	cacatttcac	cctgactgca
120361	gcactatgtc	ccttacagtc	tgtcttccct	gctggatcac	aaactgcatg	agagcagcgc
120421	ttgtatcttt	tttttttttt	tttttttttt	ttggagacgg	aatcccactc	tgttgccagg
120481	caggagtact	gtggcgtgat	ctcagctcac	tgcaacctcc	gccttccctg	ttcaagtgat
120541	tcttctgcct	cagcctcccg	agtagctggg	attacaggca	cgcgccatca	cgcaggctca
120601	atttttgtat	tttttagtag	gatgggtttt	caccatgctg	gccaggctgg	tcttgatctc
120661	ctgacctcgt	gatccacccg	cctcggcctc	ccaaagtgtc	gggattacag	gcatgggcca
120721	ctgtgcctag	ccatagctta	ttattttatc	ttgatctccc	cagtgcctag	cacaaagcct
120781	gacatctact	acacgtggca	tgaactgac	atcatgtagg	ccaaagttag	ctgacttctt
120841	tctttatagg	acttttttgt	tgtttgtttt	taagtattct	cgggagttag	gaggttagg
120901	gctgtgtctt	tgaatgttag	atagtgttct	tcttcatttg	aacttgacga	tcaacaccca
120961	tccatgccta	tgtaggatat	ttaggaagga	gtactgagtg	cattctcctc	atcagggcag
121021	gaaagcagcc	ttgtggaaaa	aagaaaatca	tgagggcaaa	ttcatgtttt	gtttctcttt
121081	gtgacattat	gtcaaatgta	ctctttttgt	ctcacagtga	gatgatcatg	ttctcagccc
121141	tattaagccc	aatgccccct	ttttattata	aatattttga	aatgccccct	tttccgtccc
121201	aaaatggaat	catagaaatt	acaacctacc	tacacgtata	atctagaaaa	tcaatgtgag
121261	ccctaacaat	atcatagaga	aataagaata	atttataaca	aaataattta	aatattttgag
121321	cacagccaca	ccagaagaca	aaatgaaaca	gacacttgca	cccatgccta	gaatcactac
121381	gaagggtgaca	ttctaacaga	ctgttgtgtc	agtgacttaa	atgtttgtta	cactgggtga
121441	tgacagcaat	gtaaatttct	caaattggtac	acatttttaga	atgttaattt	tcaaacaaat
121501	tttctcaatt	taccctggaa	aatatagttt	atattaaaaat	ttgtgcaaaa	tatacttgct
121561	gtttacaagt	gaaagtgagt	caggttctag	gcctgatag	ttgtctctta	cctaccctgg
121621	tgtctgagga	acactccaga	agtgtatgga	atgcaggaca	ggttttgatt	gttctcgcca
121681	gggcattgct	cgccatccag	catccctggc	tgccatcact	cagtgccact	gtgacaaccc
121741	aaagtgtccc	cacagattcc	tccaactcta	cttagggagt	gctgtctcct	gtggagaatc
121801	attgctctga	gattccacca	aaagatataa	atcagaccaa	aggaaaagcc	aaagttttta

# FIGURE 3 (continued)

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121861 agcatgggtat cttagacaagg caactcacat gacaataaga cacaaaactt tctcactcaa
121921 gatagcaggt ttggttttgg ttgatttttta actcaagttt gatagtgtga ccaacatcat
121981 gttaggcctt gtgagagaca gaagttggga agaaacaccc cccacccccc tccacacaca
122041 cacggacaca cacggtcctt gccctcaagg acttccagtc tagtaagtaa gtggcaacag
122101 ctacagtaca atccaggtca gcgaaaaatg gagcctaaaa cagagcaaag aaagacgcag
122161 gtacgtataa gaagtggggc ccctgggcct cacagtgggc actttacccc gggttggatt
122221 tcatggaggc cctcgggc gtgtgtgctc caggttacga ttttatgaag gctctgagtt
122281 ggtggctgac tctggcgtca ccatagacac cacaatgcgt ggaggccgac ttggcgtttt
122341 ctgcttctct caagaaaaca tcatctggtc caacctcaag tatcgctgca atggtaatgt
122401 gcattctcgt tactgttcaa cattgttact agaattagtc aaactctgcc accttatttt
122461 tataccgcac tcccccccca aaagcccaac gctcatacca catagtcat taaaacctgat
122521 agtccctgtg taccagaagt aaaaagcaga tcacatttat cctattttat ccatgtggaa
122581 attagaccc atagaattta actgcatggt ttagggtttg gggttcagtg agaaatccag
122641 tcagatttaa tttacaggaa gcctttattt tcatgtggtt aaaacataat cacagatgca
122701 aaatccattc tgctgtgta ttttctgcac ggccgggaag gagcactcct gggctttaag
122761 ccaacggttt gcaaagcagc ctgcaggaga aaatggcggc gagggcctgc ggggcgtcct
122821 gggcgggcta acagcgcccc ctacaggacg cctgagccgc gggcggggt cgggggtccg
122881 ggggtggaag agcctcgcta acctccctgt gccattcct attgcagaca ccatccctga
122941 ggacttccaa gagtttcaaa cccagaattt cgaccgcttc gataattaaa ccaaggaagc
123001 aatctgtaac tgcttttcgg aacactaaaa ccatatata ttttaactta attttcttta
123061 gcttttacca acccaaatat atcaaaacgt tttatgtgaa tgtggcaata aaggagaaga
123121 gatcattttt aaaaaccgtg ttgctcagac attgctctca cgtggctcag gctttgaggt
123181 gcccgttctc ggagggatcc ctgttaactt gcaggggtgt agtttctct cagaccgggt
123241 ggccgataag atgagcctat gcgtgaatca caaggccag gccagaggtc tcagctgggg
123301 tccccccagt ttgctccata caaaacgcct aaccgttcca tgctcacctt ggcagcctcc
123361 ttatttcggg taaggggtct cagaaacacg tgtttggggt ggcaccttc ctagggaggc
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123481 cccacacctt ccacagactt ctattctggc cccttcaacg taattcttaa gcttatttat
123541 atatttggtt cccctagtg gactgtaagc atattgacaa taaaggatca tgtcattaca
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123661 taaacgaaga atgaatgaat gaatgcctct taaaggacag tagagtgtac atgatacata
123721 aagtcctcct caactcaaaa agtcacaaca taccctctat ttgtgttacc agtagctgga
123781 tgtacagcac agaaacttgc ctaatttgta cactagcctt tcttgattt caattgtaaa
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124201 agttcaagac cagcctggcc aacgtggcga aacctatct tactaaaaat acaaaaatta
124261 gccagggtgt gtgccacttg cctatagtc cagctatttg ggaggttgaa gtgggagaat
124321 cacttgagct ggggaggcag aggtcgcagt gagcagagat tgcaccactg tactccagcc
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124501 actctcttgg ttaaactctt tgtgtctata actatttttag aaacctaggg cccacaggag
124561 atccagaaca taattccatc ccttagggag cttattacat ttttggaag acaaaaactt
124621 ttatttatgc aaaacaagaa acaagacgc atgtagaacc agcagtgtgc tgaagccaac
124681 tctaccagc tcataagagc caactattca agtttttaga atattgtgag ccagttaaac
124741 ggttggtagt ttgaaatttg ccatggtggg agtatttaca cagaaactgg caaacactac
124801 aaatcagggc tccagagaac tggttgttaa atatttatca gcacacaagt gattattcta
124861 ccttgtccta tctctagttg gccctcctta ttttttgaa gctgatgtag aaaacttgag
124921 gctttcagaa aatttcttgc ataagaaatg aagtaagaaa agtgaaaatg ggtggggtgc

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# FIGURE 3 (continued)

124981	tatggctc	acctgta	ctagcact	gggaggc	ggtgggag	tcgcttgag
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125101	aaattagg	aggtgcag	gctcctgc	atactccc	ctcctcagg	ggctgaagc
125161	caagaatc	ttgaaccc	gaggcgag	ttgcagtga	ctgagatcg	gccactgc
125221	tccagcct	gcgacaga	aagacgtg	tccaaaaa	aaaacaaaa	aaaaaaaaa
125281	tgaaaatc	gaagcact	agagaagc	gccagttgc	gactgacgg	atgagctag
125341	aggtgtgg	tgctctccc	caggtaact	cctgggctt	ttggatact	gttatactc
125401	accttagc	aatgactca	attcctatta	cagtccatt	aggttagtaa	gagcctcatt
125461	tgaatctta	acctctag	ctgagtggc	atcagtctc	caccaactag	tatgaattca
125521	ttccaatgc	cattcacct	ctgactttt	atggagatc	agaagactga	ggagctggg
125581	atggtggt	gcacctgt	tcctggctac	ctgggaggc	gaatggggag	gatcacttga
125641	gcccaggag	tcaagtccag	catgggcaac	atagcaagat	cctgtctcac	ttttttttt
125701	ttttttta	tactggggga	atgggagcg	tggctggga	agaaaagagg	cattgtcact
125761	gtggggga	gggaggcgt	gctgggaa	aaaagaggc	ttgtcactgt	agggaaaaga
125821	tcattggct	gtagaatccc	acgggaagt	tgggagatc	ctgggggcag	gatgagggca
125881	ctgggggcag	ccagaggaga	cctgggggca	tgggagcagg	tgacacaa	gatgtgcag
125941	cctttttg	tacactca	aaaaaggaaa	aaaaaactc	tccttctccc	catccaggtt
126001	attagtcct	ggctccagaa	gtattattgt	gattatcct	aggttaattt	tggagacagg
126061	ctatagagt	aaagagaat	aggaagatat	agaatccag	cacctgctat	tgaacatct
126121	gtaggcatt	tttattgcct	aggctagaag	ataactggga	acagactcaa	gcagcaaaaa
126181	agaatctgg	ccagaagtga	ggccgtggg	aaactagata	ctgtacagca	taaatctagg
126241	gggtgagag	gggggtcccc	tgtttgggat	acacgcctgg	ggccccag	aacatcgga
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126361	cgcattctta	agccccgccc	aatttggtea	taggcaacct	caggagacag	agacgctcac
126421	cccaaattt	ctggggcagt	atagtttcca	cagtgggtga	gggtgtttta	ttccagagaa
126481	ataattctag	tactatagaa	ttaagtatat	agatgatgaa	gtaaattgga	cccatcatcc
126541	taatattttt	gtgtggtgtt	ggggaattat	gtttgaatat	gtggcaacgt	acttgaaata
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126661	gcagacagat	gctcttcacc	ttaaaatggg	gctatgtcct	aataaatccg	taagtngaac
126721	atatcttaag	tccaaagtgc	atttagtact	ccaataaacc	caagtcaaaa	gtttaagtca
126781	tccatcatga	agtcagata	ctcctcaatt	taaatagggt	tatgttttga	taaaaatcgt
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126901	tattagtatt	attgagacag	gatctcactg	tcgctcaggc	tgcaagtgcag	tgggtcagtc
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127141	tcctgccttg	gcctcccaaa	gatagtattt	gatttttagac	ttgtgatttt	aagtcagaag
127201	gtaggagaat	ttggttgaat	atgaaaatat	tgagatgatt	aagataattt	ctcatccatt
127261	atatacattt	tttaaattta	caagttatat	aagcacatag	gtaggtttca	tcaaatgaca
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127441	aagtttgcaa	atgggactaa	acattaatca	aaagcctaaa	agtgattata	tattttgcta
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127561	tgaatttttt	aacttaaggt	tttghtaatt	gtaacttta	tcagatacta	atttttaaac
127621	caaagtcacc	ataaattgtg	ttttctgtaa	aagacaacct	ttccttcagg	aataaggaat
127681	gocctctaca	agctccacat	tttaccacct	cgcccaaatc	gttgggtta	aacctcagac
127741	aattgcatg	caccccaaat	ttcctagggc	agtagagttt	ccttagtgga	gaagggtcct
127801	ttattcctga	gaaataattc	tacaattgta	gaactaagta	cagatatgct	gaagtcaatt
127861	ggacccatca	tcctaattat	tttgtgtggt	gcttgggaat	tatgtttgta	tatgtgcca
127921	agtacttgaa	atatctaaga	gaatttggca	tacagaatgc	aataaattca	atgtgggatt
127981	ctagttttaa	atgcatacag	atgctccctt	acttaccatg	tagttacatc	ctgggataaa
128041	cccacggcaa	gtcagaaata	tcataagtga	aatgcattt	tatatatata	tatatatata

# FIGURE 3 (continued)

128101	tatatatatt	tttttttttt	tttttttttt	tagatggagt	cttgctctct	cgcccaggct
128161	ggagtgcagt	ggtgcgatct	cggctcactg	caagctccgc	ctcctggctt	cacgccattc
128221	ttctgcctca	gcctcccgag	tagctgggac	cacagacacc	caccaccaca	cccagctaatt
128281	tttttgattt	tttttagtaa	agatgggggt	tcaccgtggt	agccagcatg	gcattttaata
128341	tcttgataag	cccatcataa	agtcaaaaaa	atcttaagtc	aaaccattat	aagttagggga
128401	ttgtctgtag	ttgagtattt	gatttcagac	ttctgatttt	aaatcagaag	gtagggagaa
128461	tttggttgaa	tatgtaaatt	atactgaggt	ggttcagata	atttataatc	cactgtataa
128521	atttttttaa	tttacaaggg	ttattttaagt	gcgtaggcag	gttttgctcag	acaagtgaca
128581	taaaaataaa	acattataaa	tgcaatttaa	atttagttta	taatgtatta	caaattagca
128641	tagtatattg	ttataaatat	attaaattta	taaatggaat	ttagagcatt	taaagaaatt
128701	taattaaagt	tacaaatggc	actagacaat	caaaagctta	caagtgatta	taaattttgc
128761	tataaagtta	taagtagatt	tgtatattta	tagatgtagt	agagtcgtaa	gatttttaag
128821	ttgaacttct	atacttaagg	ttttgttaatt	tgtaacttta	atcaaacatt	aatttttaaaa
128881	accagtcacc	ataaatttgt	ttttctgtgt	atgaaagcta	cccttataag	caaataacaa
128941	aatcaataaa	aaacagcaca	gtgacagtca	gcaactgatt	tttttttatt	gaggggtgga
129001	gatctggaga	actgcatect	caattccaaa	taaggggcta	acaatcatcc	cagaacactg
129061	cccttttcta	cattggggac	tgtcaccgca	cagagggatt	aaggaccttg	attcagctct
129121	ccctgactcc	agggcatcac	caagcagctg	gctgcagcaa	cgctgggggc	ctgagctatc
129181	ctgctgtcag	ctctcaaacc	cctcattttc	caggacacat	ggcctgaaga	atgcactagc
129241	cccaacttgg	ggccctgggt	tggcgatgtg	gcaaggagca	cctctctctt	ctccctacta
129301	catcaaaaaa	tttaaggatg	cctaaacatg	tctgcttata	tggagggctg	gggtgaatga
129361	gacgtccaga	atgaaagctc	tcctattctg	actgcgccac	ctgactgaga	agtaacttta
129421	gcttattttc	ttggctcatc	ataaaaagaac	gaaaagtatt	ttcctcacat	tgtctacctc
129481	ctcaactatg	gagtggacat	gcattccacg	cttcaactca	ggctcttgag	aaaaacaact
129541	ttatttccca	aatttcacct	tgtttttctt	ctgagaactt	attgtgccaa	actcaagaga
129601	aacataacct	cagtctttct	tgggggtccc	attctctctc	cagaatcaag	actctaggat
129661	gtcttctcag	aaccaagggt	tttggggagg	gggacatcta	tccacacaga	ttccttctaa
129721	cgtgaccata	gtcagcaccc	accccccata	ctctaacaga	ccacactggg	gacctcaaat
129781	ctgtgtgaac	ctttgcagcc	attcctttac	tggcccttta	cctatggact	gcagaaagct
129841	cccacaggcc	tcccttccct	ctctctcagc	atggggagaat	ccttctcaag	tatgaggagg
129901	gaagccttat	cttccctttt	gcttttggcc	aagaaatctt	atccattccc	gggtgttccc
129961	cacttaagcc	cgtctatgac	ttgaattgtg	ccctgaagt	tcattgtgtt	gaaacttaatt
130021	ccctaataca	acacttttga	aaattaaggc	ctagtgggag	gtgtttaatt	catgagggca
130081	gagcccttgt	gaatggatta	atgtcagtta	taaaagacct	tgaggctgtg	agttccattt
130141	cttgctctct	tatactctct	gccccctcat	cttccaccag	gggatgacac	agcacaagg
130201	tctttaccag	ataccagcac	ttgatctatc	ttggacttcc	caacctccca	tgtaaaataa
130261	atttcccttc	tttgtaagtc	accccatcta	tggattctct	ttatagcaat	acaaaatgga
130321	ctaagacact	cccacaaacc	ccagacttct	actatgggct	tagctctggg	tacacaaaaa
130381	ctagaacagt	ttgcaagctg	gctctgactc	acaccaccac	agcctcactg	aaatagtggg
130441	cccagagtcc	actctgccag	aatgggagga	ctggggcaaa	gggaaatatg	aaaaggaaat
130501	gggtcaatat	ctcaaagtgc	taccacaaca	tattgtgaac	aacttcaata	gctaatttta
130561	aaaaattctt	ttttagaaat	gaggtctcac	tatgttacct	aggetggtct	cacactcctg
130621	ggctcaagca	atcctcccac	ctcagcctcc	caaagtgtct	ggattacagg	catgagccac
130681	cacacgtggc	ctcctactgt	ttagatttgt	tctaaaaaga	tgcctatgtt	ttaaccaggc
130741	cagatcactc	accctagaaa	ttccacaaat	aaccaatgag	ctgatggctc	caggcagacg
130801	gggtggctgag	cccagttccc	atcctggcct	ggaggaggag	acctaggaag	tcacagctta
130861	ggatacactg	gggcgggcgg	gaagggttgc	ttttatccat	catccaagct	gtgattcagc
130921	gcataagtct	ccctttcatt	aagtttaact	tgttgagtaa	cattaaattt	atatactgca
130981	aagcacaata	gaatttcact	gctgtgaaca	tacgcgttca	caagcatcat	ccaactaagt
131041	gtgagcatct	gctgcctcat	tgggggtatt	tactagtcat	tcattattta	tttattttatt
131101	tatttttgag	acggaacctt	gctctgtcgc	ccaggctgga	gtgcagtggg	gtgatctcgg
131161	ctcactgcaa	gtcccgcccc	cggggttcac	accattctcc	tgtctcagcc	tcccagtag

# FIGURE 3 (continued)

131221	ctgggacgac	gggcactcgc	caccactccc	ggctatTTTT	TTTTgtattt	ttagtagaga
131281	cgaggTTTTca	ccgtgttagc	caggatggtc	tcgatctcct	gaccttgtga	tccgcccatc
131341	tccgcctccc	aaagtgcctgg	gattacaggc	gtgagccacc	gcgcccggcc	tagttatttta
131401	TTTTgcagca	cctattagag	taaacagtag	cagatatcta	atgtctaaga	aaaatttatg
131461	gaaggaagat	ttgaacgaaa	aattttctcc	attagcatat	ttttaaggag	ttttcctcac
131521	aacaattcca	tcccactcct	accctcccta	ccagaattct	gaggatcagg	gcttgagaac
131581	taacatctcc	aaagtcccag	tagctctgtg	gttttctaca	ggctcctgga	ggataaggac
131641	cgtgccatgt	ttatctcacc	ctccacctct	caataaagta	caaatttgtg	gaattggcga
131701	ggccaagagg	cctcaaattc	ttgtatcttt	catatcatcc	actagggggc	agcaatcctc
131761	taaaaatagc	ccctaaacca	gccactTTTT	tagctaaaag	atgactaaat	ttcattaaaa
131821	gtagaataac	aaacgcctgt	aatcccagca	ctttggcagg	ccgaggcggg	cggatcacga
131881	ggTccggaga	ccgagaccat	cctggccaac	acggtgaaac	cccatcccta	ctaaaaatac
131941	aaaaattagc	tgggtgcggt	ggcttgccgc	tgtagtccca	gctactctgg	aggctagggc
132001	aggagaatcg	cttgaacccg	gggagcggag	gttgcaagtga	gctgagaccg	cgccactgca
132061	ctccagcctg	ggcaacagag	caagtattgt	tctcaggaaa	aaaaaaaaaa	aaaaaaagaa
132121	taacaacaac	tacaatttat	taaacactta	ctctgctcct	agcactatgt	tatatgctaa
132181	tagttcaggg	cttaagaaca	atTTTTattg	ccaggagtgg	tgtctcatgc	ctgaaatctt
132241	accacttttg	gaagggtgag	caggaggatc	gcctcagctc	aggaatttga	gaccagcctg
132301	ggcaacatag	tgagacctat	ctctactgag	aatgttttaa	taattcgtea	ggcatgggtg
132361	tgtgcactgt	agtcccagct	acttgggagg	ctgagatggg	aggattactt	gagcctgagt
132421	ggacaggctg	cagtgaagta	tgattgcacc	cctgcccttc	agcctgggtg	acagagcaag
132481	accctgtcta	aaaaaaaaaga	actcttattt	atcaaaacga	acatctcaac	aaaaagcaac
132541	aaccaccaca	taggaaggaa	accaccacct	aaacgtgaat	tattgcaact	tagtctctga
132601	acgaacactg	aagcctcgct	ttcttttagg	tattgcttcg	caaagaacttc	tgcttgttcc
132661	ctcagcctaa	attcacagga	tagagtcttc	tccatgagca	aagcaaagag	ccattcatct
132721	atccactcat	cattcactca	ttcttcagac	acacactgag	caattactac	ataccaggca
132781	ctgtgctaga	tactgggagg	gatttttaaaa	gtacacaaag	ccagtccatt	ttagtccagg
132841	cctctgtatg	actgaaagcc	tttgtcttac	tattaataat	actgatcata	actgcaaaat
132901	tatagtgtag	tttagaatta	aatgaacctg	gccgggcgca	gtggctcaag	cctgtgatcc
132961	cagcacttta	ggaggtggag	gccggcagat	cacttgaggt	taggagtttg	agaccagcct
133021	gggcaacatg	gcaaaaacca	tctctactaa	aaatacaaaa	attagccaag	tgtgggtggca
133081	tgcacctgta	gtcccagcta	cttgggaagc	tgagacagga	gaatcacttg	aaccttggat
133141	gcagagggtg	cagtaagatt	gtgccactgc	actccagcct	gggcagcaga	gggggattcc
133201	atctcaaaaa	aaaaagaatt	aaatgcacct	caaagccaac	cactagattc	tctcgctctg
133261	tttagaagac	atttgtttgt	tgtaagaacc	cagacttaat	cctgagaggt	tttagcgggg
133321	tctaaagaga	gcctcgctct	aaacatccct	gccaggaaga	acacttccag	ggagcagggg
133381	gcaggcagct	tcttggecca	ggacagtctg	catgacctaa	attacttgag	tcaaaaattc
133441	tttgggccat	atagtgtttt	ggtggttgct	gttgggtttt	ctatttgcta	acttgagcaa
133501	acatttaaaa	tttgagtgtt	tttagacaaa	aacctggatt	tccaacttct	ctttaaaaag
133561	tcaaaaagctc	cagcctccat	ctgcattcac	gcacaggaac	cttgaaaagg	gcctgtgttg
133621	tccatgcacc	gcagtgtcca	cacatgtaag	tttctacctg	actctgtaag	tgatcgagta
133681	tgagagtccg	tacttgggat	ttcccaggta	ccctgtgcgg	cctgcagggg	atatggagaa
133741	ggttgggact	caaccctctc	tgtggcaggc	caggtctcac	gaatagctaa	acaggcaggc
133801	ctccatgaca	actgtttcag	cactgactga	gtgcttaggt	taaacattaa	aggctgcaag
133861	agccagtgtc	cttacacaaa	ggctggaatg	tgacaaaagc	caccaagagt	cttgccatgg
133921	cctttcctgg	gccttgaagc	atgacaagat	aacaaagaaa	ttcttacatt	cctcgtaacc
133981	acgttttagga	ttaaacacgt	tttattaggg	gtcagcaaa	aactccccag	accgccataa
134041	ctcagcggga	ggcaagataa	gggtaatcac	ccccagcacc	tggaaccatc	tagattaaat
134101	aaacttactg	aggctccgga	ggaaggtctc	caggactcag	atcttagtta	tggtattacag
134161	ggaatcagtc	acttgtgtct	tttgatgaat	ccacacttac	atgtagacat	atagcttcat
134221	ataagcactg	gaaaactttg	taaatatgag	tccgtctgg	gatattttcc	tggccttctg
134281	cctgtaccgg	gttacagaaa	taaactctct	tctttcccag	tttatctgca	tctcattact



# FIGURE 3 (continued)

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134341 gggccatgag aacaagcagc ccaaccctca gttcagtctg ggaacactct ggctaacaac
134401 ctgttagggg ttgtcaccac tgcctggaga ggataggggt acactggggg ccagccgaca
134461 ggagctgagg tctcaggtag aagattccta cttatcaat agatggaaag agattcaaac
134521 ccagcatcac tgactctggt tccaaaatct gaaattcttt tatagcgaca gcacacattc
134581 accaggtatg cagagaagag ttaacagcag gtccgagatg gctgctgac tttagttaga
134641 aaggcctaata tgcaaaagt ggccttggtt ggatctgag cacttggtt tccagagtgt
134701 tcccaccatt tctgaaactg ataagagtgg ttcaccatgt cttgactgta cagtgtggtt
134761 tatgctgagc atctgctttc tttctgggag ttggaatttt ggtacatggt agggagaagg
134821 tgctacaag acgagaccct aataaaaacc ctgggtgttg agtctctaag gagcttccct
134881 tgtggccaac atttcatatc cctgtcaca actcattgct ggggaaatta agcacatatt
134941 atgtgacttc cacctggaga agactcttgg tagcttgccc ccttggtttt ctctggactt
135001 ggcccatac acttttcttt cttttttttt tttggtgctg attttgccct gtatcctttc
135061 actgtaataa attataactg taagaataac tagatgctga gttatgcttc agccaatcac
135121 tagattctat ttagagggca tttgtttatt tgaagaactc agacttactt aatcctgaga
135181 gtttttacct ggggtccaaag agagccttgt tctaaacatc cctgtctaga aagcctccga
135241 tgagactttc tagcaaaoca cttaaatgta gtggtcttgg agaccccgaa acatcagtc
135301 actatctcca acaactgaaa gaggtcttgg gcttacaagg tgcaagaat aattgagtg
135361 ctaggctcct acaggcatca ctaatgagaa aataatggaa aacaggggcc taaaagttga
135421 ggccaatcac ccaaaaacac ctgcagagct ggagaagcaa aactcaaagt ggagaccctt
135481 gagattggac acatgacaag ggacagagtc taactgaagt ggtttatttg gttagtctca
135541 tacctagaga aatttaaggt gaggcagtca cccccaatac cagctctacc cttctttcat
135601 agtcatagt tcccaaattt ttgcaggaac ccagatgccc agaataaaag attatacttc
135661 ccaggtgagt tgtggccatc taagtcttga tcagtggcat ataagcaaaa aagttcatgg
135721 tagcttcttg gaatcttctt ctaaagaggg ttaatttttt tttttttttt taaatggagt
135781 ctactctgt tgccaggctg ggggtgcagt gtgcaatctt agctcactgc aacctccgcc
135841 tcccgggttc aagtgattct cctgcctcag cctcccaagt agctgggatt acaggcatgc
135901 accaccacac ccggctaggt ttcaccatgt tggccaggat ggtctcggtc tcttgacctc
135961 atgatctacc tgccctggcc tccgaaagt ctgggattac aagcgtgagt caccacgccc
136021 agccagatca ttaatatctt ttattcgtcc tcttatccct cctcctaggc tggaaatagg
136081 atataatagc tggagttcca gaggtctgtc tgagttgatg agaaagcctt gggaatagaa
136141 gcgtcatcac agagaacaag atagaactga caccgtggag taacatacca gtaacagacc
136201 ataagatttc tatcactgga ctttgtggac atgaaaaatc tccatctggt cttggggctt
136261 tactgttact tccagctaaa tttaatcctc cttaatgcaa aagaaattcc ggatggggaa
136321 gtgtttataa agtcatgtat ccagaacatc agactcacca aatcttagat ctgaagagtc
136381 atcaggaagc tttttgtttc agccttttca ttttacagtt ggaaaaactg aggcctagtc
136441 acctctgtgg tttgtcaggg ttacatggct agttaggagc aaaactgagg ccagatccca
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136561 gccagggcag gggtaaagtc caaaaggggg tttctgtcta gaggactcaa agaaaaagca
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136681 gatcgcttga gcccaggagt ttgagaccag cctgggcaac atggtaaaac tccatttctt
136741 caaaaaatac aaaaatttagc tggatgtgat ggtatgtgcc tgtcgtccaa gctacttggg
136801 agcctgaggt gggaggatag cttaaagcct ggaggttgag gctgcagtga gctacgatgg
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137101 catcagactt cacacctccc tcttcccggt gtgttcaaac ctaagtctat acagatgccc
137161 tcgaacccat atggtgctta gtggtggaac cgggctaga tttcacccca cctgtgcctt
137221 cttggccagt cctctatga agtacacaga ccgacaacct tttacagagg actgggcttg
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137341 agggagtttc ggccctgctg gaaacaccgt ggcagatgct ttggtggcct gccatttct
137401 ttcactttgt cattcacgga tgtcaaagca ccagcacctg cagttctttg tttctgggct

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# FIGURE 3 (continued)

137461	tcctctggtg	caaaagctgc	ttttctgcc	tatgttggag	gtgcggggga	tttaggagac
137521	ctaaggaatg	ggctccagtg	agatgaaggg	aacgggtgtg	taaagcctca	gccccctgcc
137581	tgggtgggggc	tgagtctgag	gaatgtgccc	tgcattgttc	ccgcatgatt	aggctccagc
137641	tgccccagtg	ggtaaggccc	ctctcctccc	tctcctccct	ccccagtcta	ggggtgcttc
137701	acctcccaaa	taaagagggg	tcactcatcc	ttatctcagg	gtctgcttct	gggggagctg
137761	accagaagca	aaccttcctc	agcactcaga	ttttacttac	tccaaaatta	gggaatatta
137821	agtttgaaca	gataccctgt	gctcaaaagc	atgcgcacag	acatatatat	agaaatttctg
137881	ggccgggtgc	agtggctcac	gectgtaatc	ccagcacttt	gggaggccaa	ggcggatcac
137941	ttgaggccag	gagtttgaga	tcagcctggc	caacctaggg	agaccccatc	tctacaaaaa
138001	taattattta	gctgagtgtg	atgggtggaca	cctgtagtcc	cagctactcg	ggagactgag
138061	gtgggatgat	cacttgagcc	tagtagttca	agactacagt	gagccatgat	ggcaccaccg
138121	tactccagcc	tgggtgacag	agtgagaccg	tatctcaatt	aaaaaaggaa	atttccaact
138181	tttctctgag	cccactaccc	aaagacaatc	atatgcctca	gccactcagc	tgagctttac
138241	tgcccttcca	agaatagcct	agaaatccag	taaggacaat	ggaaactaga	aaaatgaaga
138301	gacactgata	ctggatctaa	ttcatatttt	taacccact	caccacctgc	aatcacaccc
138361	accacagcc	ttcagtaagt	gctcagtaaa	tatctgttag	tcagcaaagc	tactgggagc
138421	acacactctg	ccccgctgcc	atacacctgt	cccccaaccc	ctgctctatt	atggtgattt
138481	ccccactcct	agtctctctg	cacagaatgg	tgaagaaact	gcatttgggt	ttttcaaact
138541	attcttcagg	ccgggcacag	tggctcatgc	ctgtaatctc	agcactttgg	gaggctgagg
138601	tgggcagatc	acaaagtcag	gagttccaga	ccagcttggc	caacatgggt	aaacctcgtc
138661	tctactaaaa	attaaaaaaa	ttagccaggc	atgggtggtg	gcgtctgtat	ttccagctac
138721	tcaggaggct	gaggcaggag	aaacgcttga	acctgggagg	cgagggttgc	ggtgagccga
138781	gatcacgcc	ttgccctcca	gcctgggcga	cagagcaaga	ctctgtctca	aaagaaaaaa
138841	agaaaaaaa	aatacaaaaa	aaaaacctat	tctctgcac	cctcaggaga	atgggccagg
138901	aacatgctct	tgaacacagg	tgcttgctca	gaaatacatt	tccatattag	caggcgcagc
138961	tgtcactcct	gctggaggcc	tggttgcttc	ttgagaactg	ctagtctcac	catttgccac
139021	atgcccaaca	ggaaaattta	attcacagaa	actcagaatg	ccagattcct	cctccctccc
139081	aactcaggga	tcccctcaag	agcctgcttg	acagctgtta	tctccttcat	gaacacctca
139141	agtgcacagg	aactcacccg	tgtatgatgt	agcctatcct	attggtggaa	ggctctagtt
139201	actaataatt	cttatttagta	aacatcatct	attaaacatt	tgctatgtgc	cagcctctat
139261	taaaagtaat	ttaaactagcc	aggtgtggtg	gtgtgcactt	gtgggtccaa	ctacttggaa
139321	ggctgaggca	agaggattcc	ttgagcccag	gagttcaaga	ctgcagttag	ctatgtatgc
139381	gccactctac	ttcagcctgg	gccacagaa	aagacctcaa	ctcctttaaa	aataaaaaatt
139441	aaatgaaatg	tgcttaacct	gtgtcaactc	atttaatcat	gacaacaatc	ctatgaaata
139501	gatgctattg	ttattactcc	acctgacctg	acaggcaagg	aaacttacag	cacagagaag
139561	taaataatta	gctgaagatc	acagagctag	ctagcaagtg	gcagaatgca	atttcaaaca
139621	aaaagtggcc	tttgagagct	ttcctctgtt	gccttttttc	tacttggggc	agaaatcttc
139681	catcctataa	gtgagccttt	ttaggtccag	atccttgtga	aattgtgatg	agtgccaagg
139741	accttttcca	tgctactgtg	catatgggtc	caaaactctg	catattattt	caggagtgca
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139921	cttaattttc	cctatttttt	tatttttttc	agacagagtc	ttcctctgtt	gccaggctg
139981	gcatgcaatg	gtacaatctt	ggctcactgc	aaacctctgc	ttctgggttc	aagtgatttt
140041	cctgccttag	cctcccaagt	agctgggatt	acagatatgc	accaccacgt	ccagctaatt
140101	tttgtatttt	tagtagagat	ggggtttcac	cgtgtgtgcc	aggctggtct	cgaactcctg
140161	acctcaagag	atccacccat	ctcagccttc	caaagtgtct	ggattacagg	catgaaccgt
140221	cgcgccgggc	caattttccc	agttctagat	gaaagaatgt	tcaaccacac	caataaccac
140281	agatagacaa	attcaaataa	taagggttaag	gtgttatttt	gtacctttat	aacaacaaac
140341	aactataaag	aaaatactca	aaaatcaagt	gctggccagg	tgagtggtgc	gacacctatc
140401	atcccagcac	tttgcaaggc	caaggcaggt	ggatctctga	gctcaggagt	tcaggaccag
140461	cctgggcaac	aagatgaaac	cccattttcta	caaaaaatta	gccaggcacg	gtagtgcgcc
140521	tgtagtcgca	gctactcagg	agactgaggt	gggaggatgc	cttaagcctg	gaaggccaaa

# FIGURE 3 (continued)

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140581 gctgcagtga gctatgatca caccactgca ctccagccca ggcaacagag caagaccctg
140641 tctccaaaaa aagagtgtct ggaggggtgt actcctgttg ctgctgctat ggtacctgta
140701 tacactacca ttagaaatct ggcaacacac aggaaagact gatgaaaaca cccataagct
140761 tttgaccggg taattctact cctcaaattt attccaaaaa aataatttag atggaaataa
140821 aagtcacatg tagaaagata tttatagcaa acttttctct aagagccaga aaaaaaaaaa
140881 aacaatgtcc aaaaaaacia ctgggaaatt ataagcaaat atggtcatta gcttaatgga
140941 acatataaaa taatgaaaag cattaaaata acatttagga aaaaatgtgg aagggtggaa
141001 tcaacatgat gatgattgtc aattgtgggg tgataggggt gggatgccc gggaaactttc
141061 aattcgcttt ttattgcctc actttaaaaa gtgagagacc aaataatcag aacaaaagca
141121 gctcagagga aagagagaga aactataaag gatcagagga tccctcaaac caaaatgaaa
141181 caaaacacta taaataatat cctctatgaa atatgaaaag atatgcatcc acgaaagaga
141241 aacagaagag gatgggggtg aatcagaaaa catgaaagaa ggcctggcat ggtggctcac
141301 acttgtaate tcagcacttt gggaggctga gtggggcgga tcccgtagag tcaggagttc
141361 gagatcagcc tggccaacat ggtgaaatcc catctctaca aaaaatacaa aaattagctg
141421 ggtgtggtgg tgcacacctg taatccagc tactgggagg ctgaggcagg agaattcctt
141481 gaaccggga ggcagaggtt gcagtgaagt gagatcgtgc cactgaactc cagcctggga
141541 aacagagcaa gactcccatc tcaaaaaaaa aaaaaaaaaa aaaagataga gttattggag
141601 atggagttat aacaactgaa gtagtaaat caacagaaac tctggaagat aaagtaggct
141661 aactatccag aaaattgaac aaaaaataat agagagatag aaaatgggag aaaagatgac
141721 caatccagaa gacccaatat ctacctataa ggagtcgct aagagacaac agagacaatc
141781 tccaggacag agagtgtaac tggccaagcc aaaggcatgt gcccaacca tggctaggta
141841 ggaaaggag gatctggccc atttggtctc agaaggaaag ggcactgtct cccccacaa
141901 cccaggagta tgggtcccca aaaggaaaag taatagatgc tactagaaaa tgagggttag
141961 atgatataca gccaagagct accactgtcc actgcacagg aacctctgtt gactcctagt
142021 aaccacacct tcttctctaa atactcatag agcactttca ataggatttt tgcacctgt
142081 caaatgcaaa acctccctct ctaggcctgt tgtgcattat catagctgag atgtgtacat
142141 cctacatgcc aattgtttct catgagttat ctcatataag ccttacaaca aagcaaacaa
142201 gaaaatcate ttaataaccc caattataaa tcaggacact actgccaga gcggttaaga
142261 agcatgcccc gcttcaccca gctaataaag agattcaagc caggatttgg acctagtacc
142321 ctgaccatgg agctcgcat cttatgccac aggactttat gtacctctcc ctggaggctt
142381 ctgggtgccc ccagtgaacc cgatgcctca ctgcctctg gaccccaaag aggacttaaa
142441 gtaggtcgtc aaacagccgt gagagcctcc attgagccac acaccccgag tttctgcat
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142561 agccctccca agtcaccagg gtgctgggag ccgccactag atctcagccc tcttccagct
142621 cacacacctc actcaggggc tgtccacagg cttgctctgg ctgtagcatg ggaacccctg
142681 ctcttcttta tctggtgcaa ggagccagg ggcattgctt aaggaaggct agccctgtcg
142741 gtgagacatg ttgtgcaaaa ggcaggttga ctggagaaaa gtcatacacg tttatttcac
142801 atttatacac aggatccttc agaataaaaa cccaaagata acgcggaaat tggccatact
142861 gatgcttaag attaacgaag tatgaacagc tatgtacaaa tgcgactgga caaaaaagg
142921 gtatgatcta atgctgatag actgagctgg gagattcagt gaggcctgtg tagattcttg
142981 gcctctctgc acagcatccc tttcttctgt gtgtggggca ggacctctc gggaatgggg
143041 gaattatgac ctacagtcaa acaaggtaag tcggatcatt tctttatggc cagtttttac
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143161 aaagagggtt tgggtttctat ggggaagagg gattctagtt tctaaggcta gactagggga
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143281 ttcatttttag agtactcttt tctgagtcct aacagtggga agccagagga agcagaactg
143341 tacttgtgag agcccccaga cagctggctc tccccccag cagcagcagt caggcccccag
143401 agctcctctt gcacgacagc acaagggcaa agcctgtctg ggctgggtga agcttccgtg
143461 ggtctggctg tattgggggg aagacctgtc tgggagcctc ttcaactatt tatctgttct
143521 gccttccctc cccttgctcc tgtcctttga acgctaacct ggacacagaa gctctcagca
143581 tttaggaggc cttaattgca gctccattta atgtaagatc tcttgaagtg ggtcccaatc
143641 ttaggccaca agttcagggtg tacagaaaaa aaaccatttc tctttgtctt tttttttttt

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# FIGURE 3 (continued)

143701	tgagatggag	totttgetctg	tcacccaggc	tggagtgcag	tggcgcaatc	tccacctccc
143761	gggttcaagc	aattcttctg	cctcagcctc	ccgtgtagct	gggattacag	gtgtgcacca
143821	ctacgcctgg	ataatttttg	tatttttagt	ggagacaagg	tttcaccatg	ttgccaggct
143881	tgtctccaac	tectgacctc	aggtgatcca	cccgcctcag	cctcccaaag	tgttgggatt
143941	acaggtgtga	gccaccacac	ccagccaaca	aacaattttt	ctgtcacaga	gtttaattct
144001	atttgattcc	tatcctgcca	atgtggcaga	aacataatct	ctgttgattt	aaaatttacc
144061	cacatcctga	acctgggata	ttgtcaaagt	cccactgagc	tctggggagat	ggggctctta
144121	ttgtcttttg	tcacacaggt	gtctagaaga	tgccacctat	tgctacttac	tttgtgtctt
144181	acacaactgc	agaccactat	tcaaaggcta	tatagtttgc	tctcactgct	gtaacaaatt
144241	atcacaaata	taatggctta	acacaacaca	aacttatttc	tcacagtttc	tgtagaagtg
144301	caacatgggt	cttaccaggt	ggtggctgtg	ctgggcttat	agctggagac	tctgggaaag
144361	aatcctcttc	caagctcgtt	caggttgctg	gcccagttca	gttctttgtg	ggtaaacttg
144421	ctaggtggca	gctagggcca	ccctcagctc	cttaggttcc	ttctttggtc	cttgcacatc
144481	atccaggagg	catcagatct	ttctcacgct	tgggaagatca	tggactcggc	cttctgcggc
144541	atctgactct	tccgccttcc	ttttctgctt	gattacatcg	ggcccacctg	gatgtgtcgg
144601	gtcgcctccc	tattttaagg	tcagcttatt	agtaacctta	attccacctg	caaagccctt
144661	tcccagcaga	acctaaattt	gtgtttgatt	gaccaaacag	ggagaaggga	gagtatcttt
144721	agagttttgc	ctacagcaaa	ggccactgtg	tgagcacatc	cctgaagggtg	tgcagggcag
144781	ctgccatcac	tcacctctca	gcccattcac	tagacagatg	ccctgtcaag	gtcatggctc
144841	ttttaaggct	gaaggtttgc	tgccctact	gcggtctgtc	tgggaaagaa	ctgggtctgt
144901	tctgaaccat	gctgggatag	aacctctaga	aggcaaggct	ccgtctacct	caacacacac
144961	acaagccatt	tcctctctgg	ggtctcccag	ggctctttct	aggttgacag	aaacaggacg
145021	atctgcccc	tgtttccgac	ctgtaccccc	acctctgcac	tgctattgct	ttccttcttc
145081	cccacaccac	caaggaaatc	accttctcat	caaacctccc	atatgccaaa	tattttggct
145141	agatctggag	tectgtacac	tctggagtg	ctttgggctt	tttgaatccc	aggtccagtc
145201	ctgctttctt	gtctgtcaca	ttccacagct	gaggcaatga	gccaggaagt	cacctgcttg
145261	gaagttggag	ggggacagg	agttggagaa	tggcaaagt	gggttaatac	tgcaaacctg
145321	ttttcttgc	actctctga	catgctctgt	tctttaaata	gcccttggca	cctgggtccat
145381	cacaggccgc	atccttagca	actaagttgg	aagaaatggg	gctctttggc	cagcaatgtc
145441	ttcccgccat	gggctatacc	tgcaggtgcc	gggtgaggag	gactgcgggc	agctctgaag
145501	cctccacttt	tccttatggg	ttttttgttc	actctccagg	gcctaattca	gatgtcacct
145561	cccctgtgcg	gcttctccaa	cccttcagat	agatgtgatc	actccctccc	ctgagcccca
145621	gaacactttg	tccaatttcc	tgcacctct	gagagcgtgg	cacaggcccc	ctccactgtg
145681	taacaactca	cagccccctc	ctgcatcaga	agccccccc	cttctctcgg	ggtgcctctt
145741	ctttctagtc	atagtgtctt	ccctcagtag	tctatccctc	tggggactct	gaatatcttc
145801	ccttccccct	cagcaatccc	tagcacactt	gcagctgtga	gggctgcacc	tgaggacaga
145861	gcaggggcgg	gaaccccagt	cttagaggct	gttgtcatca	aagttcaaat	ggaagatcct
145921	ctgagaagga	tctgcaggga	gaccaattgc	cacccctagg	gaaggccggg	cttctgtggg
145981	atctcaagcc	ctgggacctc	gaggcagctt	cccgtaggga	gcagccagaa	ggccctttcc
146041	ctaccccctc	accacccaga	gaggcctccc	tgggatgccc	tcccctgaac	cctagagctt
146101	catggggatt	gctatgtttg	cactgtgatg	tcatttcaag	gtcatgggtg	tatgcgctac
146161	agctgagcaa	gattgttccc	agcatcagat	tggaaagttg	aagaaaggct	aagtcacaag
146221	aacccaagag	ctgggtgaat	gcacagctgt	gccctaggcc	caccagcaag	gaccacattt
146281	attaggtctc	gcctcccaca	caaacgggtg	cagaaagtct	aagagaagaa	ggggaacaga
146341	ggaaggagg	gaaagtctt	taaatcaaca	tggtttcatt	gagcttctgc	accatgcagg
146401	ggcctgtggg	attgagaagg	agaatataat	cctagtcctt	gctctcagga	agcttatcat
146461	ctgtgtagag	cccaagagtg	agcagctggg	tgaacaagaa	gtgggtgcaag	ggggaagagt
146521	taccacagat	ggtataacag	tttgctcagg	ctgcctgaaa	caacagaaa	ttactgtctt
146581	tacagttctg	gagaactggc	ctaggaaatc	aagatggcgg	cagagctggg	ttcttctgag
146641	ggttggtgag	ggtctgtctc	agggcctccc	cggcttgtgg	atgtccatct	tctccctgtg
146701	tctctttaca	tcattctccc	tctatgcagt	tctgtctttt	cgccacata	tccccctttt
146761	aaggacacca	gtcatatcgg	atgaggggcc	atcctaata	cctcatttta	acttttttac

# FIGURE 3 (continued)

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146821 ctctataatg accctgtttt caaatataat cacactctga catactaggg gttagggcct
146881 gacatgggtt ggctgtgtcc tcacccaaat ttcactctga gttgtagctc ctgtaattcc
146941 cacatgtcat gggaggaacc cagtgggagg ttgttgaatc aggggtgggtg agtccttcct
147001 gtgctgttct cgtgatagtg aataaatctc atgagatccg atgggttttat aaatgggagt
147061 tccccgtcac acattttctg tcttgccctg tgccatgtaa gacgttcctt tcaccttcca
147121 ccaagattgt gaggcctccc cagccacgtg gaactgtgag tccattaaac ctctttttct
147181 ttataagtaa cctagtctgg ggtatgtctt tatcagcagt gtgaaaatga actaatacag
147241 ggctccaaca tacctttttt agagggacac aattcaaccc acaacagtgg ctttggggag
147301 aaaggaagac ttgaaagagg agaatttcct cattcatcta tctatctatc tatttatcta
147361 tctatctatc tatttattta tttttgagat ggagtcttac tcttgcgcc agactggagt
147421 gcatgggtgc catctcgact tactgcaacc tccacctcct gggttcaagt gattctccta
147481 cctcagcctc ccaagtagct gggattacag gcacccacca ccaggccggc taatttttgt
147541 atttttagta gagacagggt tttaccatgt tggccaggct ggccttgaa tectgacctc
147601 aggtgatccg cccacctctg cctcccaaag tgctgggatt acaggtatga gccaccacac
147661 cgggccagaa tttcctcatc taaaagggca ggttcccagg cagaggtaaa cactgggagg
147721 ttttatactt tgtgattact gaataattcc tcaaggatgt ttttctagat ttgaggaaca
147781 tcttcaggga cagaagatgc cacattgggc agggcttctt catgcaggcc ccaaccacag
147841 gggcaacaga atcctgggtc ctgggagact gtgccagcc atgagcatca gctgaagcca
147901 caacctcaaa cattcctacc aaaagggaag ctagtctgtg ggatccacat gagggcaaag
147961 tggagatgaa ttcagagggc aagaagcagc cagttagggca agagggagag aggaccttc
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148141 agtcatgagg gcagagccgt catgattagg atttagtgac cacagagagc tagctacccc
148201 actctaccat gataggacac agcaagaagg ttccatctat gaaccagaaa ctgggcctgg
148261 ccagacactg aatcttctct caccttgatc ttggacttcc cagactccag aactgtgaga
148321 aataaatttc tgttgtttct aagacaccag tgtatggtat ttttgtttta gcagcccaga
148381 cagactaaga caacacacaa acaggaaaaa tcagatacct cctgctgcct agctagatgg
148441 cttaagagtc caggacatag acagaggtag gggcaagaag gctgctgggc ctgggcttta
148501 cgttcaagaa aggactttta gacttttgat gttatttcca actgatgttt gttatgggcc
148561 aagttgtgtc cctccaaaat tcatatgttg aagtcctaac ccccagcaac tcagaatctg
148621 actgaatttg gaggataggg ttaagacgtc agtcagttaa aaagaggttg tgagggtagg
148681 tcttaatcca ataagggtgt ctctataaga agaggaaaat tggcacagac acacacagag
148741 agaagaccac atgaacacac aaggagaaga tggcatctgc aagccaagga gacaggcctc
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149161 aggcgtgcac caccaggccc ggctaattta tatatatata tatattttta gcagagacag
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149461 agaagaagaa gaaaagaaaa gaaagttagc caagttctct gtacctcca gatgcccag
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149761 agctccaggg accctgtgag gaacagggag atactatccc cataccccc acattcctgg
149821 aggaggttgc cctggaataa gctattgccc cgcctcttcc accccaagtg gcagaaacga
149881 gggccactca gtgctctgtc cagctgctct tgettccctc caggagccac ttctgcttcc

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# FIGURE 3 (continued)

149941	atcccacctg	attggagtg	gcttcccaca	ggcccccgct	ccgcagctcc	tcagtgtctt
150001	cctcctcctc	cctgctcccc	cgagcccagc	ccagtctgag	gtccatcccc	ctgtgagggg
150061	agctgagcag	tgctgcaaac	tcagtgtctc	tgagtaccct	ggggatttgc	tgaactgcac
150121	attctcattc	tgtaaaccgg	agctgagcct	ctgcacgtct	aacctgtctc	ctggcaatgc
150181	tgctgttact	gagcagagtg	gaaaagtgtc	agacaataca	ttggggggaa	atttcagtct
150241	caaatgcatt	ggagcagaaa	ccagaactcc	ctgtcaagct	gctctgtggg	tttttgaagc
150301	gaagtgtgtt	gctcttcact	ggctgtctct	agctgtctcag	agcgggggac	agaagctggg
150361	tctacccgag	catctgtcca	gccacatccc	ctcactcttc	aggggtggc	tgggcacaca
150421	gccccagagt	caaggtggca	tttagctggg	ccttcagtcc	ggcaccagca	agtgtctctt
150481	aacttggggt	ccttgaggct	cataggtggg	cacagctcaa	tttggggatg	tacctgagaa
150541	aaatgcttcc	cagatgggct	tctctgcccc	atccctctct	ccaccggggc	tgggcagacc
150601	ccaggggtgaa	ttgttcta	tcttgcact	ttttcctggc	agggctctca	ggctcatgaa
150661	atctgcctct	tgccaaaggc	agaggatcca	ctggcagcag	ggagcactgg	ctgcagtcag
150721	gcaggtgcaa	tcatttttta	atgacatctt	ttccccctta	tcaaaattgt	gcaattcact
150781	ttagaatatt	tagaaaatat	tggaataatgt	aaagaaggaa	gtaatcctgc	aatcctacaa
150841	ctcagaaatg	atgtttcagc	actttggaaa	atatecttcc	aatctttcac	atgcacaggt
150901	gtgggtctgta	tacggcactg	gagatcccca	gcaccaaaaa	gttaacactg	taggaaaaat
150961	atttatccat	gtcagttatt	ctttgaaagt	atgatgtagg	ggaaaaaaaa	ggggggatca
151021	gactgttact	gtgttgtaac	cgagcgagtt	atacagaaac	gccacactct	gagacgaatt
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151201	tgtagcagtc	ttacagaagt	aaaacaggca	aaagaagtta	aaaagacaaa	tggttacagg
151261	aaagcaaaca	gttccagggtg	caggggcttt	aaatccatca	caaggtgata	gacgtggggc
151321	tttgggtgct	atcaaccaga	caaaaacaca	ggggcttagg	gtaatatcaa	ctggacaaat
151381	tcctgggaac	tgccggacata	gcttgccaca	gcattgttatc	agttaattgc	attctttgat
151441	gtgctgggag	tcagcttgca	caagttaatt	ccttgaggaa	gggggtgggt	aaggagccct
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151561	gtcaatcagg	ttaatacaag	ttagggtatc	acaagtgtgt	ctatttagaa	aaggaagact
151621	taagaaatc	cattttgatc	tgtacctga	acaatggttt	tgcttgaga	tgctgtta
151681	ctgtaacttt	tctccagcct	tggtctcaca	gaaacatgtg	ttgtatggaa	ttaaggttta
151741	agggatctag	ggctgtgcag	gatgtgcctt	gttaacaata	tgtttacagg	cagtatgctt
151801	ggtaaaagtc	atcgccattc	tccattctcg	attaaccagg	ggcaccgatgc	actgcggaaa
151861	gccgcaggga	cctctgcccc	ggaaaaccgg	gtattgtcca	aagttcctcc	ccactgagac
151921	agcctgagat	atgtcctcat	gggatgggaa	agacctgacc	gtcccccagc	ccgacaccgc
151981	tgaagggtct	gtgctgagga	gaattagtaa	aagaggaagg	cctctgtctc	ataccgaacg
152041	gaatgtctcg	gtataaaacc	cgattgtaga	aaaccacact	ggcaggaggc	gagatatgct
152101	ggcggcaatt	attctttatt	ctgttattct	ttactacact	gagatgtttg	ggtggagaga
152161	agcataaatc	tgccctacgt	gcacatccag	gcatagtacc	ttcccttgaa	cttatttgtg
152221	acacacattc	ctttgtctac	gttttcttgc	tgaccttctc	cccactatca	ccctgttctc
152281	ctgccgcttc	ctcttgctga	gatagtga	atagtaatca	ataaatactg	agggaaactca
152341	gagaccgggtg	ctgggtgcagg	tcttcctgat	gctgagcgcc	agtctgtctg	gcccactggt
152401	ctttctctat	actttgtctc	tgtgtcttca	ttcttttctc	agtctctcgt	cccactgtac
152461	gagaaatacc	cacagggtgtg	gagggggcaaa	ccacccttcc	atgtgatgtt	taggcccgggt
152521	gcaatagccc	gcgcctgtaa	tcccagcact	ttgggaggcc	gaggtaggag	gttcaactga
152581	accaggaggt	tcaagaccag	cctgggcaac	ataatgagac	ctcatttcta	aaaaataaat
152641	aaataaataa	aaattgtttt	aattagctgg	gcattggtgt	gcacacctgt	agtcacaggt
152701	gctcgagagg	ctgaggtggg	agaatcagtt	cagcccagga	gttcaaggct	gcagtgaact
152761	gtgatcgcac	cactgcactc	cagcctggac	aataaagtga	gaccgtgtct	caaaaatagt
152821	atgatttttt	taataagctgc	ataatagtct	cccctatgga	tatttttatt	gtttacttaa
152881	tgcttgccct	atttggggcc	attgaagtgt	tttaattctt	tttccaatat	aaataatttt
152941	attctggcca	tgtttttatt	gaaatctcta	accctataat	ctcttttttt	ccttagaata
153001	ggtttccagg	attgggatat	tggaaacaaa	ggttaaata	tcttaaagtt	cctgatagat

# FIGURE 3 (continued)

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153061 gttgttgaat tgtttccaga aagcttcaac aaattcatcc cctctagcca tagtgcctgt
153121 ttcaagaaat gatcagcatt gtccattatc ttcttttatt ttttcccaat ttggtaggta
153181 aaactagtat cattttctagt ctgcattctg cttgactctc gtgtggctga acattttttt
153241 ctgagtggca tagccattca tgtttcttct gtgacgggtc tggacacatc ctcagtgtctc
153301 tcattttccag gagagcaagg atggggaacg aggggatatg cattgtatta gtttgttttc
153361 atgctgctga taaagacata ccagagactg ggaagaaaaa gaggtttaat tggacttaca
153421 gttccacatg gctggggagg cctcagaatc atggcaggag gtgaaaggca cttcttacat
153481 ggcagcagca agagaaaaag agggagaagc aaaagcagaa aacctgata aacctatcag
153541 ctctcatgag acttattcac tatcacaaga atagcacgag aaagaccggc ccccatgatt
153601 caattacctc accctggccc cctcccacaa catgtgggaa ttctgggaga tacaattcaa
153661 gtgagatatt ggggtggggac acagccaaac tatatcatgc atcaccacct gatggcacc
153721 acccataacc tctgccatgc tgtgtgcccc cccaccatg cctgtgggcg aggtcccca
153781 ggctgtgtgc ctttgcctgc agactctggg tacttccatt cacactccca tctctgggtg
153841 tctcaagat aacctgatgt tcccaggatc cttccctcaa ttaacaatga cctgccttag
153901 cccattttct tcagcaccgt ctccatgcta agttacaagg agtgggcccc aacaaacaac
153961 tgaaagctaa acgtcttcac ctaacaaaaa tgttggccgt ctgtattagt ctgttttcat
154021 actgctataa agactacctg agactgggta atttataaag aaaggagggt taattgactc
154081 acagttctgc atggctgggg aggcctcagg aaacttaca tcatggcaga aggtgaaggg
154141 gaagcaaggc acatcttaca aggcagcaga agagaaagag catgtagaag aaactgccac
154201 tcttaaatca tcagatcacg gctgggtgca gtggctcaca cctataatcc cagcactttg
154261 ggaggttgag gcaggcagat cacttgaggc caggagtctg agaccagct ggccaacatg
154321 gtaaaacccc atcaccacta aaaatacaaa aattagctca ccatggtggc acatgcctgt
154381 aacccagct acttgggagg ctgaggcaag agaatcgctt gacatctggg aggtggaggt
154441 tgcagtgagc caagatcatg ccactgtact ccagcctggg caacagagtg ggactccatc
154501 tcaaaaaaaaa aaaaaaaaaa ggtcagatct tgtgagaact cctcaccat cacaagaaca
154561 gcattgggga aaccgccttc atgatccaat cactcccacc aggtccctcc cacaacatgg
154621 ggggattaca atttgagatg agatttgggt ggggacacag ggccaaacca tatcaccacc
154681 cacaaaagct ttttgacaaa taactctgac taggaattgt aagaaatgtt tttaaatgag
154741 taaggtggaa gcaaacatta ttcccatttt atagacaaga aatgtgtgtc tctggatctg
154801 tgacactcca taaaccaggg aaaaggcaga gacaatgact gattttctgc cgcccaatcc
154861 agttgcccac cctcctggc tcaatgccag gacttccctg tctttgatta gggaaagtgg
154921 agcccccac tccctacatg caactgttac acaccagtg tcccagaaat gacattcaac
154981 ttcactatag cgactgcttt tactgacatc attttttagc gacgttttac tataaaaatg
155041 ggtggggaga aataaagcag ataaactgct gccaggacc atcactgcta ggggtgaaact
155101 gggggcacac ggtatagctc aaatgcaccc caggctccag ccaagccttg ctcaaaaccc
155161 acccaggaac cagacctatc atccaagggt gtctctccaa tgaccttagc aggttcagaa
155221 taacctctca atattcctca tttactgtag ttgcttatta tgaaccacc aactattaat
155281 tcaatctttt ttgaattctc agttttcagt atatttctct tcaggctgtg gtacatatca
155341 caacatatag taattatttg ctattttctg cttccctgtc tagactttga gtaagttgag
155401 ggtagaattt gttctatttc ataactctag aatttgacaa atagcaggta ttcttaacca
155461 taattttgtt gaaggaagga atcaatgaat aaaaatttcc tgagtttact gtttactgca
155521 aaaagactgt atgctgtttt acgttttctt cttttaagggt ctaacatcaa tatgttgatg
155581 tttggtaaat ataatttcaa tcccagttgc atctctgagt ccaggcaaga gtactacaaa
155641 aagtataaat agaggtcaag tgcagttgcc ctctgcaagc aagaccactt agaactcttc
155701 aatggctctt tgacaaacct tcagtgggat ttctgtcaaa gctgacaatg gataaaatta
155761 tagaaaggag ggaaagcctt gataaggagt ccttaatgag ttcgtcacta agttaattca
155821 acattgaaag ggatagaaga tgttaattcc acacacacgt gaaagaaatc aacaatcagg
155881 cctcatctga gagaaccatg atggggaagg ctggggctga tggatgaggg gtgtgaggca
155941 gggcagaaag cctccacgtt gctgcagcaa tgcaaaaata ggcaccttgc cgtaggcctc
156001 tctggcactc catcttgtct ctcttccctg gagaaaaggc aagctgtatt caatcatctt
156061 ttcaatgcta aaaccaggct ttctgtcgg agttggggcc agagatgttt ccatccctc
156121 ttgcaaaaag ggtattctta agaggcctta agtcttcagc attgatagtt tctgggaaca

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# FIGURE 3 (continued)

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156181 aaatagaaat caaaatctca ccttgtgttc ccttctcttt cctggacaga gaatgggaca
156241 ggcccaggcc atccagatca ctatgaacct tatcagaaac ttcagttccat tttctccgtt
156301 cccttccctg ggacttgcat gctataatct ccatacccct ccttccccac tctccagget
156361 tagtgggtga ggcagagagt gagagccagg cttacctgcc ttttctcttc agtgggaaga
156421 agctcagtaa ctgagctcag acgctagtgg catacctacc aagaggatga cataaatgcc
156481 tcctgtggcc ctgagatagg cagagctctg ctggcagccc aaccatatgt tcaactgttc
156541 attaacaaac atccacagag gcaggtctgt ctggcctgga gggggatgtc ctacactaga
156601 cgactcaggt tcatagagcc aggcctcatt ccacccccac tggctcaagt gactttcttg
156661 tgaccagaaa ctggagagct cttttttttt ttttttagac gggctctgtc ctctcgccca
156721 ggctggagta tactgacaca atctcggtc actgcaacct ctgactccca ggttcaactg
156781 attctcctgc ctacgctctc caagtagctg ggattacagg cgagtgcac caggcccatc
156841 taattttttg tgttttttag tagagacggg gtttcgccat gttggccagg ctggtctcaa
156901 actcccgatc tcaggcgatc cgcccgctc agcctcccaa agtctgggga ttacagggtg
156961 gagccaccat gcctggccca gagctcttaa ctacaatgac tatatgcaga agaacaaact
157021 aacacggaag atggctagga actgcgtaag ccaagactct gcagtaagac acacttgagt
157081 tctggtcttc actctgccgt ttactcacag tccaactgca gatgggacct cacctctctg
157141 agcctcagtt tcctcatttg taaaataggc aaatattggc acctacctca tagaattagt
157201 gcgaggctta actgaggtga tctaggcaaa gcacttagct tggtagctag cacatattaa
157261 gtgctcaata ataggtgatg gtgatgatgt aagttggaca caagagaaaa ggacacatac
157321 taactgataa tcacacagag ccactgactg gatttgggat ctttctctga cattcagctt
157381 ttcttaccat ctgtcagcat gccacactcc ttcagccttg aattatatgc tgccttgttg
157441 ttttgctctt ataaaaaaa tagaatgtac tagtcttctt gtggtactg aaaaaaaaaa
157501 aaaaaaagac cacaaccag tgattttaca cacagaaagt tactctctca cagtcttgaa
157561 gaccagaagt ctgaaagtac tatgttgtca gggctgtgct cctccaaaag gatctagggg
157621 gtgatctatt acttacttct tccagctttg ggtggctgtc agcatgcctt ggcttgtagc
157681 tgcaccactc caatttctac ctagtcttct tatcatctca tctgtgtctg ttttctctc
157741 agtgtgtctc ttataaaaaa acttgtcatg ccagacatgg tggctcatgc ctgtaatccc
157801 agcatgttgg gaggcgagg tgggcagatc acttgaggtc aggggttga gaccagcctg
157861 gtcaacatgg tgaaacccca tctctactaa aaatacaaaa attagccagg cgtggtggcg
157921 ggctcctgta attgcagcta ctcaggaggt ggaggcaaga gaattgcttg aaactgggag
157981 gcggagggtg caatgaaact agatcacacc attgcactcc agcctgggtg acagagcaag
158041 actccacctc aaaaaaaaaa taataataat aacttggcta atccagggtg atctctcaa
158101 atcaagatcc ctaatttcat tacgtctgca aagttaacat ttacagttct ggaaattagg
158161 atgtagacgt ctttttggga accatctatc ttagactgtt caggcaacta taacaaaata
158221 ccagatgctg ggtagcttac aaacaacaaa catttatttc tcacagttct ggaggcttgg
158281 aagtccaaga tcaaggcact ggaagctgta gtgtctgggt aggtctttta actatgtcct
158341 cattgcggaa ggggccaggg atctctcttc cttttataag gcttctagtc tctttttttt
158401 ctttctttct tttgagacag ggtctcactc tgtccccag gatggagtac agtggcacia
158461 ttttggetag ctgaaacctc tgcctcccag gctcaagtga tctcccacc tcagcctcc
158521 gagtagctgg gactacaggc gcatgccacc atgtccagct aatttttttt tttttttttt
158581 tttgtagaga tggggttttg ccatgttgac aaggctgcca ggctggtctc gcaactctgg
158641 cctcaagcaa tccaccacc tcggcctccc aaagtgttgg cattataggt atgagccact
158701 gcaccagctc tcattcatga aggttctatc ttcatgaact aatcatctcc caaataacct
158761 caccctgggg gctgggattt cagcatataa attttgggga gatataaata ttcagttccat
158821 tacaccaaca tttggteccac tacttggagt acctaagaac atggacttta gaagtagact
158881 gacctggatt ccaataccag cccaccatc actcactagt tggatgacct tgattcagtt
158941 atttaatatc tttgaacctc agcttctgga aaagggccaa taatgccaat aatgctatgt
159001 cccgggggtt tttgaaagaa ttaaataagc taatatgtta aaagtactgg ataattggta
159061 gctctcatta ctagtggtag gtttacccca ctagtctaca agctcttaag agctggagtt
159121 atctctgctt ccttcacaag tctagcacia gtctgcaaac agtctatcct tagtgaagggt
159181 ggggtgacaa actggctgaa ccagtggcct agacagcaa tatcaccaat tatgtaagat
159241 tccacaggga tctaaaggag cgaattagag gcaccaata gtgaccccaa tctaagcagt

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# FIGURE 3 (continued)

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159301 gcagggatca gctgggtggg tttgtcagca gagaacaggg ccaccagggc aggcacatag
159361 aactaactgc actcactgca ctgttgtaa ctattctttg aatccctcca catgacgcca
159421 ttcctacaga tggaagggtca gctacactgg agaagttcca gaaattcata aatagattat
159481 gatcccaaat cccagagagg aggaacttttc cagatggcaa ctgggaattt accttaatga
159541 tttcccatc ccagaaggga aagctgttct ggtatattac aaacattaca gcacatctga
159601 ataaccaga gagcttgttt aaatgcacat ttttgggcct ctaccaggct ggtaaaca
159661 agcttcaaca gagtggggat aggaaccaac cattttaaat aacccctttt ggtaattctg
159721 gttcaaccat agcaatcaaa ttatagtcca acctaggtag gggcttgcta cctaggagtc
159781 aatatgtaat actggaaaga gtaagagttt ggaaactaaa cagaaatagg gtccaatcct
159841 gggctgcca cataatagct gtgggacctt gggcaagtta cttcattttt ttggatctca
159901 acttctctt ctataaaggg ggggctatac ctgtcagggt agtgggtgta attcaatgat
159961 aattatgtaa agtgctgct catagtagat tgaagcagag actgctacta ttcaccaatc
160021 catttcttct tcttgttcat acacaactag actatatttc ccagcaccct ttgcagccag
160081 gcacggccac actagtcttc accaagggga tatggttcta agttatagta cctattcttg
160141 gcaaaggctt aaggaacaga tatgctctct ccaggttttc ttttgtctta catcaattgg
160201 atgcagggtg caggttctag ggaactgggg atctacaaca tggaggagc ctgtatgcct
160261 gagttactag gtaggggaaa gctatccatc aactagaatg cctgccttgg actcttctgc
160321 aaacgagaaa taagctcata taccatatta gggtataata tagttgcttt aaagaaatac
160381 ccattggccag gcgtgggggc ttacacctcc cagcactttg ggaggctgag gcaggaggat
160441 cacttgaggc caggagtttg agaccagcct ggccaacatg gtgaaacccc atctctactg
160501 aaaatacaaa aaattagcca ggtgtggggg caggcgctg taatcccagc tattcgggtg
160561 gctgaggcac aagaatcgct tgaacccagg aggcagaggt tgcgtgagcc gagtttcagg
160621 ctgcactcca gctgggggga cagagtgaga ctctgtctca aaaaaagaaa agaaatacct
160681 gcattgctat aaagaaatac ctgagacttt aatttataaa gaaaggagtt ttggaggctt
160741 tttctttttt ttgagacaga atttcgctct tgttgtccag gctggagtgc aatggcgcca
160801 tcttgactca ctgcaacctc cgctcccag gttccagtga ttctctgctc tcagctcctc
160861 gagtagctgg gactatagga atgtgccacc acacctggct aattttatat ttttagtaga
160921 gatgggggtt ctccatgttg gtcaggctgg tcccgaactc ccaacctcag gtgactcgcc
160981 cactttggcc tcccaaagta ctgggattac aggcattgagc caacgcaccc agccaagaaa
161041 ggagtgtgtt tgtttgtctg tttttccaag aaaggagttt taactggctc atgattctac
161101 aggtgcaca agcaagggtg tggcatctgc tcagtgtctg ggggtggcta agggagcttt
161161 tacttaagc cagagcaagc atctcacatg gcagagtaga atcaagagtg agagtgtgtg
161221 tgggtgtgag gaatctcagg atgacctccc tgagattgct gtcccctagt tattcacaaa
161281 aactcactga ctatcacaa gtcagcatca aggcgtgagg catccacccc catgacccaa
161341 acgccaggcc ccacctccaa cactgaggat tacatctcga catgagattt ggaggggcca
161401 tctaaactat atcatacact tttgggatct attttacaac taacctatag tcagtgtgtt
161461 aatccatttt gcattgctat taagaaatac ctgagactgg gtaattttatt ttaaaaagag
161521 gtttattttt ctttatggtt ctgcaggctg tacaacctg gcaccagcat ctgcttctgg
161581 tgaggactca agaaactacc aatcatggca gaagcaggtg tgtcacatgg cgacagagag
161641 agaaagagag ggggaggaga tgccaggctc ttttaacaaa ctagctctca tgtgaactta
161701 atagagttag aaccactca ttacctggg gagggcacaa aaccattcat gagggatctg
161761 ccccccagac ccagacacct cccaccaggg cccatcttca accctgggaa tcacatttca
161821 acctgagatt tggaggggac acacatccaa accatatcag tcaggaaatg ttcacccctc
161881 ttctccacct ccaaataaca attacacagt acccagcatc tgtgcaaaca ttttattcta
161941 ttcacaatc tcatatggtg taaattgcaa tctctctgta gtaggacaaa ttctagggat
162001 gacctctgta ttagtcaggc ttctctagag ggacagaact aatagtatat atatatatat
162061 aatatgagtt tattaaatat tagctcacac gatcacaacg tcccacaata ggccatctgc
162121 aggcgatct gatgtccaat gtttgagggc aggaagcatc cagcacggga gaaagatgta
162181 gagtgggagg ctagacccat ctttcttttc acatttttct gctgcttat attctagcag
162241 tgctggcagc tgattagact gtgccacccc agattaagag tgggtctgcc tttccagccc
162301 cactgactca aatgttaatc ctttttggca ataccctcac agacacaccc aagatcaatc
162361 ctttcaatcc aatcaagttg acactcagta ttaaccatca taacctcctt gagaaacaca

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# FIGURE 3 (continued)

162421	aatctaggta	ctcctgtgaa	gggattctgc	aaatgtaatt	aaagtttcaa	gtcagtcac
162481	cttaaaatac	agagatgac	tggtgatcc	tgatctaata	acaagagccc	tttacacaac
162541	agaaggggaa	ttcggagaga	tttgaagtat	gaggaagact	caagtgccat	tgctgcttga
162601	agatggcagc	accacgtgag	aaggaatacc	tcaaggaact	gaaagtggcc	cttgccatac
162661	agtcagcaag	gaaagaggaa	cctcagacct	acagctgtaa	ggaactggat	tcagccaata
162721	attggaatga	acttggaagc	agatttttct	cagtgcctcc	aggtaaaagc	tctgcaacca
162781	ataccttgat	ttccagccct	gtgctattcc	tgagcataga	aatcaggcaa	gcctgcctgg
162841	acttctgact	acagaactgt	ccactaataa	atztatgttg	ttaaatttgt	ggtgatttgt
162901	cacagcagca	ataaaaaaac	taatacattc	tcttaatctg	ttttgtcatc	aatttttctt
162961	tgagacggag	tctcactctc	tttcccagcc	tggagtgcag	tggtgtgatc	atagcccat
163021	gtaacctcaa	aatcgtgggc	tcaagcagtt	ctcccacctc	aatctctcga	gtagctagga
163081	ctacaggcac	atgccaccat	acttggtctg	tttttttaaa	aaaattattt	tttatgtaga
163141	gatggggctc	cactatgttg	cccaggtctg	tctcaaacctc	ctggcttgaa	gagatccttc
163201	tatctcagct	gggaggatcc	caggatccca	aagcgtctgg	attacaggcg	tgagcctcca
163261	tgcctagctt	ctcacttat	tttttattaa	taaaaagtga	catggggaga	tggtggaagt
163321	tgagtgatg	atatctgagt	atgctcttag	ctttacattt	gctcagttcc	ttgtgctgag
163381	ttgtctgtta	gggagcttcc	tgcccttata	gtgagaatgt	gacatagtct	gggcctcagc
163441	tgcagctctt	tgaacagaga	tgatccagct	ccccatctca	ccagccccc	aatccaaaac
163501	ttaaaagcgg	agctgctgtc	aaggaaaaca	aagttaagca	aaatgacttc	aaagcccaat
163561	gtgctcacct	tactctccc	agtgggtcct	tgacactgag	aacgtgcagg	gtccatcagt
163621	attgacctcc	cctttccacc	agccctggaa	gttatggaag	gggaaggtag	cttattctga
163681	tatcgtgtcc	tgtaataatg	cttcctggcc	tggcacatat	atccttgttt	ctgtgcctct
163741	tgttctaaaa	catcctccct	ttccgaaagc	tgaaactggt	cctgcacaca	ttatgcactt
163801	aaccaggtaa	atttcagaag	attttaaaaa	gtttcccagt	gaaggaaagga	gagagaggta
163861	ttgtcctgag	atactgaata	tgcgatggc	cagactagat	atcaaaatag	aaccctgacc
163921	cacaatctgt	ggcaactagc	ctgggaagcc	aacatattat	ctgcagtaac	caatccagga
163981	agcaaagcaa	taacccccct	agcaatggac	cccaaattggc	caggactcga	ttaataaaat
164041	gacagctccc	ataacttttg	cccctacctc	caactttgga	ctaaccagag	aaagccaaat
164101	gggcaccccc	aaccaatcac	atagcatgcc	gcacttctag	ctggcccact	tgagcttcc
164161	ccgtgccaac	agtctcaggg	cagccccaaa	gtgttccctt	ttttctacca	caaggctttt
164221	ccacacctct	gcctgccttt	aagtgtctgc	caaacacaag	tgatggtggc	tgactacctt
164281	gcaacctctc	tatagtaggc	tttgtttgtt	cttatttggg	tggtcttcat	ttattttccac
164341	agtccttggt	tttcagggag	atthagggct	taaatacaag	gaaatttcat	gtaaggatgc
164401	aggagtgttt	catggaacct	caagctcagg	aaagctgcac	agccatggga	agacctaga
164461	gccggagtct	ggaaaagcaa	tccgagcttg	gatcttagaa	atcctgtctt	cttgcaaaac
164521	gggttctctg	gtccaaatgg	ccaaaaacat	gacatgggac	agggcctgtg	cttatctcgt
164581	cacctgcaga	gaggcaactc	tctgtacgtc	ctgattccaa	gttccctggg	aaggacacag
164641	actgaaccac	cttgggtcag	gcaccatcct	tgaccaattt	actaacagtg	cccaactccc
164701	acccagggtg	gggagttagt	gcaggtagtc	ttgtttatga	acatggcaat	cagaagccca
164761	tccctgtcac	tgtgtggagg	ggaggggaga	gaagagggat	ggttccaacc	aaaaaaggta
164821	gggggatgga	catcccaata	ggggtccact	ccattcctga	tggcacagtg	agacagtgt
164881	catgtgtcac	gtgctagact	cttgactctg	tgccctccag	tacctgctac	tgaccaacat
164941	ggtctagtga	gcgatttttc	ttgtgaaggc	atccatccat	tcattcattc	atatagcaaa
165001	caattgtaca	tcacaacctt	atgctaggtg	ctaggtatac	aatgataaaa	caaacacaaa
165061	aacccaaaac	acaatctcta	ccctcaatgt	gaggagatac	caccacataa	acgaacaatt
165121	acaatactgt	gaaacatggt	atgctcaatc	tatggcctaa	atcagatgag	aggctgggca
165181	gaggatcagg	ctgccaagaa	atgcttccca	gagggcatgc	tgcccgaaat	gaaccttgaa
165241	aatcagggag	cttgatagaa	atagggaag	agagagtgtt	tcaggcagaa	gcaaggttca
165301	ctgtcaagga	aaggcatttc	aggaaaccaa	aagtagtata	tgtttgacat	gagctatatt
165361	ggagtgagag	tactgggagg	taggctagaa	aggggaacag	agactagata	tgaagggaact
165421	tgaagccgt	aagtatatga	agaaggcaat	gggctttcta	cacaggaatg	accttgaaga
165481	cttgatttgc	attattgaaa	gctcaccatg	gctggaatgg	attggggacg	tccgatgatg

# FIGURE 3 (continued)

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165541 ggaaagactca gctgggcagt tgctgcatta actgtggagt tataatgggtg acctacgaga
165601 gcagcttttg atacggagaa gagcaaaactg gtttaagaaa cgtcatcacc tgggtcaaga
165661 aaaggacatg cagtgggttg ggtagggagg aaaatagatg taaataaagt tattagttga
165721 aaaagaaaag caagatcgag agagaaatta attctattgc catctattca tgagaatcac
165781 aaggctgaat caaaagcctt cctgcaaacc tagactcacg ctgggttcagt tcagagactc
165841 tatcagaaaag atgaggagct catgagtcac ccataaatgt gatcttgtga tttttcttgt
165901 gaccacaaga caaaggaaga gaagagtact ttggagtcac tatgatgaaa attcagttga
165961 atacactgga aagtcaaaac gagaggagaa ggaggaaaccg aaaatctgat tcagtcttga
166021 ccaccaagta gaattgggac agaaacaatt aagtaggcac agatccaatt tggattataa
166081 aaagctgggt catcaggaag gccactataa aaccgaagc aaacgaagag tcaattaagt
166141 acaaaagttt ttactatgac tatgcagtga ggtccaaact gtactaaatt tgaagttccc
166201 tgccaaagag aaatgtaagc ttccctgggt gtataagtca gaatttcacg acatcagcca
166261 gataaccaca aaagaatata tcttttagtg ctatagtgctt ctaagccttt ctccacccaa
166321 ctaaccaaca ttcacttact gatttactta tttctttaac aaacacactc catttcatag
166381 ccacattctt tcaaagctga caggttgaga tatatctaaa acacaaaatc tccaacatac
166441 attttcttct tcaatggtgt gagatgtatt tttctaaaac actgttctgc acatactacc
166501 attccaatat taaaaacaag ttagttatcc actgcctttt ttgtacaaat gaaattcata
166561 aatttttaatt tggttacaaa aaaatttttc atcaaaattt ttgcttattt gtttatataa
166621 aaatggagac aggtgtcac tatgttgccc aggtctggctt caaactccta agctcaagtg
166681 atcttccac cttgacctcc caaagtgata ggattacagg catgcgatac caagcctggg
166741 ataattttaa tttttaatta aaaattgtta atttgtctac aaaataaata tatactcatc
166801 atcaaaaact ttcaaagaag aagattaaaa tcaccataat tccaacaccc agacacaatc
166861 acaatcactt ctgtaagtta ggatatactg acagcctatg tgacagggaa aaaactaagt
166921 tgtaagaatt ttttaaaaac ctctatttcc ccattacagt agattttatt actcaaaata
166981 tttgctgccc caccctgggg aagataatac ttccccactt cattgcatca gccttagaga
167041 tgtggtttga ggtgtccctt cttgtgggag gattacatat tctcatctcc ttgacctcaa
167101 gagtggccat gagacttgct ttgaccaatg caatgataac agaagtgatg tgtgcccact
167161 cgaagcagaa gctctgattc atcatatggt tctactatgt tegtctcttc ttccatgaaa
167221 ccagcaatat cccaaataca gactgctggt ccaggatgg aaaacttaga gcaaagctac
167281 cggtagccca caatgtgagc aagaactgaa ctttagtcat tgtaagccac tgaggggtttt
167341 ggagttgctt gttaccacag cataacttag ccgacactga ctgataccac ctacctcaa
167401 aatgtcatct gagttttctt tatgtctgaa gagagccttt atgcattgaa ataaatactc
167461 cctttaattt caacttatat tttatatatt taaattatat gttttaaaac ttaattttga
167521 agacttttaa cttgtgttaa tttataaatc agttttgtta atattttatt atctactttt
167581 atttggtttt gatgaatgcc caactggctt gtaaaattga taagggtactc ccaaataatt
167641 atcaaaactt cagaattaa gtttagacat ttcaaactac aatctaattt taattgattt
167701 ctcaaggaaa aaaacaacaa agcagactca catttctata ggcaaaatct taataaacac
167761 tgaaaacata ctgaacttaa aaagtttaac cttacaaatt taataaatta taaattttaa
167821 gatttaacaa tttaaacatt tgaacattat ttcaaactta gttatcaaca tcttataaat
167881 ttttactaat attttgagtc taatgaatca gtctctttac ttaccttaaa aagcagaaaa
167941 atatacacia aatactataa tggttacaaa acttatttct agataaaatt tatgactaga
168001 cataacttag cttgtcttcc aaggggtctt gaaagtatgt ttgttttctg gcaataagaa
168061 gatattttcc gactcatctt gatatttctt gccgtaaaac atgcaatgaa tttttctcca
168121 gggagcccag tgccctcagg gtcttctggc tggaaatgcag attagatgga ttggcaaagc
168181 agctgctggg gccacaagg gaaaccagaa atccacagta atctttgacc tgacgtcctt
168241 gagctgctga accaacatcc caggttttta agtccctgtg gtccatttgt caaatgcaat
168301 tccttactga tataatgggt atacaaataa agaagcccag agaaagcact gcatatggaa
168361 aggaaaagatt gacctaaagg ggaagatctt gtggggaggg gaggcagtga agaaaagagg
168421 aggcaggaaa gggaactggg gagagagggg agatctggca gtttctgtga aagcaaatat
168481 gtaaggattt taagaaaagt ttgcctttat tccattgcca taatggggat tagaacagta
168541 acatccatag gatcattgtg agaattatgc caagcacaca ttaagtgttc aataaacatt
168601 ggctatcatt attattttat tatgctgggc ctccagaatg gattagagtt gcagactgga

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# FIGURE 3 (continued)

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168661 acattataag gaaatccagg aagtccattc attcttactc tttccctccc tctcctctct
168721 tccacaattg ctccctctgca cagctgtttt aatccctatat ctttctgcag attggctttc
168781 tttctatgtc tgtgatgctt aaaacagtc aacaacaat ctttcaagtt tccaaactcc
168841 ttggttcaag acagcagcca tttcgaagaa atttccagaa agacactgat tgtccagctt
168901 agatggaaag tccactcttg gatcaattaa ctgaagctat gacaggagag ttgtatggaa
168961 aacacatggc tgctcctact agaaaacttc ccaaaatatg aaggagggaa aagcaggagg
169021 gaggtgccgc tgtgaagacg taatggtagg taaacatttg ggtacatttc ctttgggtcc
169081 atgtgcacac gagtacgttt atgcatgtgt gcataacttg gatagcactg tatataggtt
169141 ttgtttgttt gtttgattgt tttagagaca gggctctccc ctgtcactga ggctggagtg
169201 cagtgatgca atcatagctc actgcagcct ggaactcatc tgctgcactc aagggatctt
169261 cccacctcag ccttaagagc agctgggatt acaggtgtgc atcaccatgc ctggataagt
169321 tttaaaacaa tttttttgta gagacagggg ctcatatagt tgctcaggct ggtcttgaac
169381 tccctggcctc acgtgatcct cccaccccag cctcccaagt agctggaatt ataggcatga
169441 gccactgtgc ctggcaacag ctgtctaaat tattttttac aaggcatttc gaacacattc
169501 aataagatat ttttctacag cactgtattt attagctagg ttaacatttc catatataga
169561 tgttctaagt gaatttaaat tatttctatt attttgcttt tatgaaactc atttgagtga
169621 tattcttgta actgaatagt tgaaactatt attaaactct taggggaaatt ccttaaatgt
169681 gaattgagag gtcagaaggt gtgtcatttt ttaacagttt tgatacattt tgctaaatgt
169741 gccaggcaat ttaagccaca ctcccaccac aacatacaaa atgcagtctt cctcaatatc
169801 gtcttcagtg cttagtgtga aattaatcac catttgataa gtgaaacaaa atttcttaa
169861 ttactagtaa gattgaagga tagtttcatg tttttttgac caactgtttt tctattatat
169921 tcttattggg ttataagagc atttttagcc gacttgggtg ctcatgccta taatcccagc
169981 actttggggg gccaaaggtg gtggatcact tgaggtcagg agttcaagac cagcctggcc
170041 aacatgatga aaccccaact ctactaaaaa taaaaaaact agccgggccc ggtggcaggc
170101 acctgtaatc ccagctactc gggaggctga ggcaggagaa tcaattgaac ccaggaggca
170161 gaggttgagc tgagccaaga tcgcgccact gcactccaac ctgggcaaca aagcgagatt
170221 ccattctcaa aaaaaaaag aaggcatttt aattactaaa tatattgctg gttgtggtgg
170281 cttgtgtctg tagtcccagc tacttgggtt aggccaaag tttgagcctg ggcaatacaa
170341 cagggcccta tctgtaatta catcttcccg gtttgcgta accttgatat aatttgtttt
170401 aagttcagat actcaaatct cttctttcca gcacctatct ttatctttcc atatgcctag
170461 aaggatatca tccactatct acctaaagtat caccctttcc tatgtcccat tccctaaata
170521 gagtttagac atttcaattg gcatttaaaa gtccttcaca aggcactacg atgtcttgtt
170581 tttcactact gccatccaca aatctttctt ttatccatcc atttgttcat ttattcattt
170641 gtcacctatt tactaagcac ctattatgta ccaggcatca ttctagacac tggggataca
170701 ggagtgaaca catccctacc cctaagggag cttgaatttt agtgccactg aagacaaact
170761 gaaaaggtaa gaaaatgtat atagttggct ggatggtgat aagtactata gaaaacaata
170821 aagcagtaaa gtagggtagg aaattcaggg agagagtga atcttacata gaatagtcag
170881 ggagaacttc actgaaaatg taatacatat ttgaggaaga gtgtgaggat ggtgactgat
170941 atgggttggc tgtgtcccta cccaaatctc atcttgaact gtagctccca taattcccat
171001 gtgtcatggg ggggacctgg tgagaggtaa ctgaatcatg ggactgggtc tttcccatgc
171061 tgttctcata gtggtaaaata agtctcacga gatctgatg tttataaat ggtagacct
171121 acacactctc ttgcctgcc aatgtgaaga catgactttg ctctcattc gccttcagct
171181 atgattctga ggcctcccca gccatgtgga gctgtgaatc aattaaacct ttttcattta
171241 taaattaccc agtcttgggt atgtctttat tagcagcgtg agaacagact gatacagtga
171301 cagaatgggc caagtgtct ccaaggggaga agcattccag tatgggaaag agtgtgtgca
171361 gagagcctgc gggggagagg gggaaggagg agcatacctc ctggatttga acaccagcaa
171421 ggaagccagt aatgctggaa cagagtgggc aaagagggtg gttgaggcag ggatagggaa
171481 tgggtcatgc agggttttgt agaccactgt agagtctttg gcttttactt caaaggaaac
171541 ggggaagccat tttgaggggt tggtaaattg tgtttccaaa gatggcagca gaaatatctc
171601 acacctcaca tagtcttttg caatgtgatc ttgtcactgt cctaagaaga gatgggggtc
171661 ctttctttt tcttgaatt tgggctgagc ctaaaccaat cctgacgaac agaattcagt
171721 tctgtaacta gattctgtaa tactgtaaat tccagactgg gccttaggaa ctgttttaga

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# FIGURE 3 (continued)

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171781 agccttcctt tcaccgcttg aaatgctcct tcttgggaacc cagaaggcat atggagaaaag
171841 atacgtagaa gagaaccaag gccagccat ttgggcttag ttgagcattt ctgccagccc
171901 ctagctttca agccagccag ttgaagccgc ggacaccaga taacagagat gagccatggt
171961 caacatgctc tgcacaaatt ttccaccccc aaaccatgag caaataatag caattgttgt
172021 tttaaacccat taagttttag tgtgatttgt tactgatgac aaaagagaca aatagagatg
172081 aactaaatag cacggggccac aggggagtag gcacgagacc ccacagttac tttcctgaaa
172141 ttcctagacc cctcctgct tctgtaagga actccaggtc tgggttaatc acaaactgat
172201 gactattcca agaagcactg tactccttag ctaatcatct gttagcttat tctgtttaac
172261 taatgggtatt tctatatgaa catgctgaga ccacctgtgt gtatctctc atgttgttcc
172321 ttaaaatctg cttgtaacca ccccaacctg gagcacctcc tggacttggt atataagtgc
172381 ttcccagggt gcaatcctca aatttggccc aaataaactc ttacctata tgcatttgcc
172441 ttagttcttt ttttttttat ttccaccatg cctggctaatt ttttaaattt tttgtagagt
172501 caagatctca ttatgttgct caggctggtc tcaaactctg gggatcaagt gatcctcta
172561 cctcggcctc ccaatgtgct gggattacag gtgtgagcca cctgcttggt ccttagttc
172621 tttctttcag attgacatta cacagcaata ggggactgga ataaaaattg gcaccagaac
172681 atgaaatact actggaatga aaacctaaag ccaattgcta catgtttggg accaagtaac
172741 acatagaaga ctgaagagca gtgagaaggc tgttggtgtc ttcacatggt ttgatatttg
172801 tccctcccaa atctcatggt gaaatgtaat cctcagcgtt ggaggtgggg cctgggtggga
172861 ggtgtcatgg ttgcagatcc ctcatggctt ggtgctgtct tcgcaatagt aagttctcat
172921 gagatctggt tgtgtgtggc acctctccct acctgctcct cttcttgcca tgtgacgtgc
172981 ctgctcgcac ttcaccttcc acagtgagta aaagctcact gaggcctctc cagaagccga
173041 gcagatgcca gtaccaatgc ttatactgcc tgcagaacta tgagccaaat aaacccttt
173101 tctctataaa ttaccagtc ttgggtatto ctttagagca atgcaagaaa ggcctaacac
173161 tagcctaaaa cagggaggaa aaacttgctc ttgctcttgt gggctagaga aaagggggcc
173221 tgagttacat actggcagct caattacact gtcacttgta gcaatgtgga agatggtaca
173281 tgtgttcatt aactggctaa ggacattttc atgcagagtg ctgaaaatgc caagtggctt
173341 gtaatatgtg ataattgtaca gaaagagata aactaaagag ggaatgttc accttcaag
173401 caaattttag aagaatatag agggcccaag actgtctgag tcagttagca gctgttcta
173461 aaatcaaaat aaaacttgga ggcaagaac aaatctaaga tgcgttaacc gccaacgaa
173521 ttttccttgc ccactgcta ggcagactca atttaagaca ggggaattac aataaagagt
173581 ttaatccaca cacagtcac tgtacgggag actggagttg tattattacg caaatcagtc
173641 tccctaaaga cttgggatgg ggtttttaag gataatttgg tgggcagggg gtcagaaagt
173701 ggggactact gattgggttag gtcagagatg aaatcacagg gagtgaagc tgcctctgg
173761 tgctgagtca gttcctgggt gggggccaca agaccagatg aaccaattta tcaatctgg
173821 tagggacagc tgatccatcg agtgagggt ctccaaaata cctgttatct ggaggagcaa
173881 tttggagggg tttagaatct tgccacctcc agctgcatga ctctaaacc acaatttcta
173941 atcttgtagc taatttggtta gtctgcaa ggagtttat agttccagg ctaaaaggg
174001 gtttgttcag ggaagggt ggtaccatct ttgtttcaa gttaaactat aggcggggc
174061 tgggtggctca cacctgtaat ccagcacgt tgggaaggcc aggcaggcag atcatttgag
174121 atcaggaggt cgagaccagc ctggccaaca tggtgaaacc ctgtctctac taaaaataca
174181 aaaattagtc tggcgtgggt gctgcacct gtagtccag ctactcagga ggtgacgca
174241 ggagaatcgt ttgaaccag gaggtggaga ttgcagttag ccaagatggg gccactgcac
174301 tccagcctgg gtgatagagt gagactctgt ctcaaaacaa acaaaacaa aataaacac
174361 aacaacaaaa aacaaagtta aactgtaagt taagttcctt ccaaaattag ttcagcctac
174421 acccaggaat gaacaaggac agcttgagg ttaggaacaa atcagtaagt taggtcacat
174481 ctctttcatt gtcataatcc tctcagttat aatttatgca aaggtggtt cgatgccaca
174541 agtaaaacgt ggcctctgggt caacatgagg ccctttgtta aaatcccaga aagatgtaag
174601 gaattgcttc tcaaaccctc atgggttagt agacaaacag gcttctgaaa gaacaagtgt
174661 gttctcacac agcacctga catgcacccc agagagggag cgtatcttaa aaagattggt
174721 ggagatgggt tttatctaac acagtgaat ccagtaaaat ccacagaaaa ctcaaatgt
174781 ttttaagaga actgaactaa cacaagcacc actagcttgg actaaaatgg acaaagactg
174841 ttcaaaacaa agccactggg ctccctaacca tttactggca ggaaataggc tgaggaaact

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## FIGURE 3 (continued)

174901 atttggtgc aaatcagggt tttgttggt gagatagggt ctctccggt gccaggctg  
174961 gagcacaatg gcacaatcac aactcactat aacctctgcc tcctggagt agctaggact  
175021 ataggcacat gccaccaagc ccgcctaatt tttgtatatt ttgtagagac ggggtttcac  
175081 catattgccc aggctggtct tgaactccca gcctcaagt atcctccgc gtcagcctcc  
175141 caaaatgttg ggattacagg catgagccac cacgccagg ccaatcacgc tttttcaaat  
175201 agtaaaggaa ggccgaccca gaaggaggag ttaggaagta aatcagggtc agctgtgtgt  
175261 ggataaggct ccacagggat ggctctgtgg gtgcaggac ccaagaacta aaaagacaag  
175321 ttatctgctt cccacattcc ttgtacaatg tgaggaggaa aaagataact acaatagaga  
175381 atccctttca aaaagtaagg atgagtgtat gaaatctgaa taaggtttgc agtgcagttt  
175441 aaacagttca tagtgtccag tgcttctgat aggtcaagta aagtaaggac gatggacgtg  
175501 gcaacatgga agtcacccat gacttcgaaa agcagttttc aatttaagt tgtgaaagct  
175561 t

174901 atttggtgc aaatcagggt tttgttggt gagatagggt ctctccggt gccaggctg



## FIGURE 4

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1  mlaprgaavl llhlvlqrwl aagaqatpqv fdllpsssqv lnpqallpvl tdpalndlyv
61  istfklqtks satifglyss tdnskyfeft vmgrlskail rylkndgkvh lvvfnnlqla
121 dgrrrhrillr lsnlqrgags lelyldciqv dsvhnlpraf agpsqkpeti elrtfqrkpg
181 dfleelklvv rgsllfqvasl qdcflqqsep laaqtgtgdfn rqlfgqmtql nqllegevkd
241 lrqqvketsf lrntiaecqa cgplkfqspt pstvvapapp apptrpprrc dsnpctfrgvq
301 ctddsrdfgfc gpcpegytgn gitcidvdec kyhpcypgvh cinlspgfrc dacpvgtftgp
361 mvqgvvgisfa ksnkqvctdi decrngacvp nsicvntlgs yrcgpckpgy tgdqirgckv
421 erncrnpeln pcvnaqcie erqgdvtcvc gvgwagdyi cgkdvdidsy pdeelpcsar
481 nckkdnckyv pnsqgedadr dgigdacded adgdgilneq dncvlihnvd qrnscdkdifg
541 dacdnclsvl nndqkdtgdg grgdacdddm dgdgiknild ncpkfpnrdq rdkdgdgvgd
601 acdscpdvsn pnqsdvdndl vgdscdtnqd sdgdghqdst dncptvinsa qltdtdkdig
661 decdddddnd gipdlvppgp dncrlvpnpa qedsnsdgvq dicesdfdqd qvidridvcp
721 enaevtltdf rayqtvglp egdaqidpnw vvlnggmeiv qtmnsdpqla vgytafngvd
781 fegtfhvntq tdddyaqgff gyqdsstfyv vmwkqteqy wqatpfraa epgiqlkavk
841 sktgpgelhr nslwhtgds dqvrlwkds rnvkwkdkvs yrwlqhrpq vgyirvrfye
901 gselvadsgv tidttmrgr lgvfcfsqen iiwsnlkyrc ndtipedfge fqtqnfdfrd
961 n

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1000